CONSTRUCTION NEWS

Engineering News-Record, Jan. 21, 1926

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Sewers, Detroit, Mich., Dept. Pub. Wks. plans sewers in newly annexed territory, total, $24,140,000.

Railway, Missouri, St. Louis-San Francisco R.R. Co. making preliminary plans for 174 miles and equipment, total, $21,000,000.

Railway, Missouri, Wabash R.R. Co. making plans for improvement and equipment, total, $10,500,000.

Hotel, Ft. Lauderdale, Fla., U. S. Realty Co. having preliminary plans prepared, $6,000,000.

Sewers, Los Angeles, Calif., Los Angeles Co. Sanitation Dist. plans bond election, $4,400,000.

Roads, Texas, Edinburg-Hidalgo Co. making plans for gravel and hard surfacing 214 mi., $3,500,000.

Railway, Missouri, St. Louis-Southwestern R.R. Co. making preliminary plans for tracks and improvements, total, $3,450,000.

Warehouse, St. Louis, Mo., Butler Building Co. making preliminary plans, $3,000,000.

Market, Providence, R. I., R. T. J. Hill Pierce, Inc., preparing plans, $2,500,000.

Sewers, Atlanta, Ga., plans bond election, $2,000,000.

Schools, Atlanta, Ga., plans bond election, $2,000,000.

Cement plant, Buffalo, N. Y., Buffalo Slag Co. plans cement plant, $2,000,000.

Apartment, New York, N. Y., Park Ave. Leasing Corp. having plans prepared, $2,000,000.

Road, California, State Highway Dept. plans road, $2,000,000.

Highway, Monroe, La., Ouachita Parish plans improving 97 mi., $1,750,000.

School, New York, N. Y., New York University plans School of Commerce, Accounts and Finance, $1,500,000.

Bids Wanted On Big Jobs

Bank and office, New Orleans, La., Feb. 20, by E. Weil, archt., for Canal Bank & Trust Co., $4,000,000.

Apartment, Chicago, Ill., McNally & Quinn, archts., taking bids, $2,100,000.

Hospital, Tampa, Fla., Jan. 26, City Council, $1,000,000.

Lodge, Oakland, Calif., C. Werner, archt., soon takes bids for Masonic Cathedral Assn., $1,000,000.

Large Contracts Let During Week

Hotel, Detroit, Mich., J. J. Barlum to O. Misch Co., $2,500,000.

Office, New Orleans, La., Chicago Syndicate, Inc., to Ferro Construction Co., $1,500,000.

PROPOSALS

Bids Close		See Eng. News-Record
WATERWORKS		
Jan. 25	Albion, Ill.	Jan. 21
Jan. 25	Towson, Md. Adv. Jan. 7 to 21.	Jan. 21
Jan. 25	Lockport, Ill.	Jan. 21
Jan. 26	Warsaw, Ill.	Dec. 17
Jan. 27	Cincinnati, O.	Jan. 21
Jan. 29	Mt. Union, Pa.	Jan. 14
Jan. 29	Dayton, O. Adv. Jan. 14 and 21.	Jan. 14
Jan. 29	Cincinnati, O.	Jan. 21
Jan. 30	Racine, Wis.	Jan. 14
Feb. 2	Wasco, Calif.	Jan. 21
Feb. 5	Okolona, Miss.	Jan. 14
Feb. 8	Springfield, Mass. Adv. Jan. 21.	Jan. 21
Feb. 9	Tallahassee, Fla. Adv. Jan. 21.	Jan. 21
Feb. 10	Anderson, Ind.	Jan. 21
Feb. 11	Salisbury, Md. Adv. Jan. 21.	Jan. 21
Feb. 11	Port Arthur, Tex.	Jan. 21
Feb. 16	Knoxville, Tenn. Adv. Jan. 21.	Jan. 21
Feb. 16	St. Louis, Mo. Adv. Jan. 21.	Jan. 21
Feb. 24	Willard, N. Y.	Jan. 21
SEWERS		
Jan. 25	Miami, Fla.	Jan. 7
Jan. 26	Montgomery, Ala.	Dec. 31
Jan. 26	Pella, Ia.	Jan. 21
Jan. 26	Hamilton, Ont.	Jan. 21
Jan. 27	Phila., Pa.	Jan. 21
Jan. 27	Baltimore, Md.	Jan. 21
Jan. 28	St. George, N. Y.	Jan. 21
Jan. 28	Akron, O.	Dec. 24
Jan. 29	Sikeston, Mo.	Jan. 7
Feb. 2	Springfield, Ill.	Jan. 7
Feb. 8	Quakertown, Pa. Adv. Jan. 21.	Jan. 21
Feb. 9	Toledo, O. Adv. Jan. 21.	Jan. 21
Mar. 10	Waco, Tex.	Jan. 7
Mar. 15	Waco, Tex.	Jan. 21
BRIDGES		
Jan. 28	Elkhart, Ind.	Dec. 31
Jan. 28	Goshen, Ind.	Dec. 31
Jan. 29	Independence, Kan.	Jan. 14
Jan. 29	Georgia	Jan. 21
Feb. 2	Oklahoma	Jan. 21
Feb. 3	New Jersey Adv. Jan. 21.	Jan. 21
Feb. 3	San Antonio, Tex.	Jan. 7
Feb. 8	Pennsylvania	Jan. 21
Feb. 10	Alabama	Jan. 21
Feb. 16	Louisiana	Jan. 21
Mar. 1	Key West, Fla. Adv. Jan. 21.	Jan. 21
EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR		
Jan. 27	Ft. Pierce, Fla. Adv. Dec. 24 to Jan. 21.	Dec. 24
Feb. 8	Allenhurst, N. J.	Jan. 14
Feb. 10	Stuart, Fla. Adv. Jan. 14 and 21.	Jan. 14
Feb. 18	Mobile, Ala. Adv. Jan. 21.	Jan. 21
STREETS AND ROADS		
Jan. 22	Ohio	Jan. 14
Jan. 23	Galesburg, Ill.	Jan. 21
Jan. 25	Miami, Fla.	Jan. 7
Jan. 25	Sycamore, Ill.	Jan. 14
Jan. 26	Louisiana	Jan. 14
Jan. 26	St. Louis, Mo.	Dec. 31
Jan. 26	Louisiana	Jan. 7
Jan. 26	Tulia, Tex.	Jan. 21
Jan. 27	Indiana	Jan. 14
Jan. 27	Elmwood, Ill.	Jan. 21
Jan. 28	Virginia	Jan. 14
Jan. 29	Georgia	Jan. 21
Jan. 29	Tampa, Fla.	Jan. 21
Feb. 1	San Diego, Calif.	Jan. 21
Feb. 1	Willows, Calif.	Jan. 21
Feb. 1	Fergus Falls, Minn.	Jan. 14
Feb. 2	Oklahoma	Jan. 21
Feb. 2	Blue Island, Ill.	Jan. 21
Feb. 2	Stillwater, Minn.	Jan. 21
Feb. 3	New Jersey Adv. Jan. 14 and 21.	Jan. 14
Feb. 4	Concordia, Kan.	Jan. 14
Feb. 4	Ord, Neb.	Jan. 21
Feb. 5	Erie, Kan.	Jan. 14
Feb. 5	Pennsylvania	Dec. 31
Feb. 5	Harrisville, W. Va.	Jan. 21
Feb. 5	Cleburne, Tex.	Jan. 21
Feb. 6	Pennsylvania	Dec. 31
Feb. 8	Kentucky	Jan. 7
Feb. 8	Mobile, Ala. Adv. Jan. 21.	Jan. 21
Feb. 9	Minnesota	Jan. 21
Feb. 9	Louisiana	Jan. 21
Feb. 9	Minnesota	Jan. 14
Feb. 10	Belvidere, N. J. Adv. Jan. 21.	Jan. 21
Feb. 10	Alabama	Jan. 21
Feb. 15	Anderson, Ind.	Jan. 21
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 19	Pennsylvania Adv. Jan. 14 and 21.	Jan. 14
Feb. 20	Pennsylvania Adv. Jan. 14 and 21.	Jan. 14
Feb. 25	Kenosha, Wis.	Jan. 14
Mar. 1	Indiana	Jan. 7
BUILDINGS—INDUSTRIAL		
Jan. 23	Detroit, Mich.	Jan. 21
Jan. 25	Albany, Ga.	Jan. 14
Jan. 28	Ft. Worth, Tex.	Dec. 31
Feb. 1	Chester, Pa.	Jan. 21
Mar. 1	Chicago, Ill.	Jan. 14
BUILDINGS—COMMERCIAL		
Jan. 25	Phila., Pa.	Jan. 21
Jan. 26	Redfield, S. D.	Jan. 7
Jan. 26	Buffalo, N. Y.	Jan. 14
Jan. 26	Tampa, Fla.	Jan. 21
Jan. 28	Jersey City, N. J.	Jan. 7
Jan. 28	Greensboro, N. C.	Jan. 14
Jan. 28	Pawtucket, R. I.	Jan. 21
Jan. 28	Oshkosh, Wis.	Jan. 21
Jan. 30	Des Moines, Ia.	Jan. 21
Feb. 1	Zenith, Wash.	Jan. 21
Feb. 2	Cleveland Heights (Warrensville P. O.), O.	Jan. 21
Feb. 8	Trenton, N. J.	Jan. 21
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 20	New Orleans, La.	Jan. 21
Mar. 1	Duluth, Minn.	Jan. 7
Mar. 4	West Haverstraw, N. Y.	Jan. 21
Apr. 1	Moline, Ill.	Jan. 14
Apr. 1	Youngstown, O.	Dec. 31
BUILDINGS—EDUCATIONAL, RELIGIOUS		
Jan. 22	Muncie, Ind.	Jan. 7
Jan. 26	Minneapolis, Minn.	Jan. 21
Jan. 27	University (sta. St. Louis), Mo.	Jan. 21
Jan. 28	Lincoln, Neb.	Dec. 31
Jan. 29	West Englewood, N. J. Adv. Jan. 21.	Jan. 21
Jan. 30	Newton Falls, O.	Jan. 14
Feb. 1	Terre Haute, Ind.	Jan. 21
Feb. 1	Terre Haute, Ind.	Jan. 7
Feb. 1	Milan, Mich.	Jan. 21
Feb. 2	Lincoln, Neb.	Jan. 7
Feb. 3	Owings Mills, Md.	Jan. 21
Feb. 12	New Orleans, La.	Jan. 21
Feb. 16	Wellsville, N. Y.	Jan. 21
Feb. 22	Ferndale (br. Detroit), Mich.	Jan. 21
Feb. 24	Williamsport, Pa.	Jan. 7
Feb. 27	Duluth, Minn.	Dec. 17
Mar. 3	Baton Rouge, La.	Jan. 21
Mar. 15	Lewistown, Pa.	Jan. 21

See proposal advertisements on page 116, Advertising Section.

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

Caulking Means EXPENSE---
No Caulking Means PROFIT

Making LEADITE Joints on 24 inch c. i. B & S Force Main

It is needless waste of time, money and labor to caulk cast iron bell and spigot water mains.

Why not turn this expenditure into a profit?

Use Leadite which is melted and poured into the joint.

Leadite forms a water-tight bond by filling every crevice of the joint from the yarn out to face of bell of pipe, without caulking.

Leadite means simplicity, efficiency and economy.

Water works all over the world use Leadite because it makes a good joint which improves with age.

Leadite resists electrolysis.

Leadite facilitates rapid progress of the work generally.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids Close — See Eng. News-Record

FEDERAL GOVERNMENT WORK

Jan. 22 Lime—Louisville, Ky. . . . . Dec. 31
Adv. Dec. 24 to Jan. 21.
Jan. 25 Steel Bodies—St. George, N. Y. . . . . Jan. 14
Jan. 26 Hospital—Ft. Snelling (br. St. Paul), Minn. . . . . Dec. 17
Jan. 27 Recreation—Tuskegee, Ala. . . . . Jan. 7
Jan. 28 Barges—Savannah, Ga. . . . . Jan. 7
Adv. Jan. 7 to 21.
Feb. 1 Valves, etc.—Nebraska and Wyoming . . . . . Jan. 21
Adv. Jan. 21.
Feb. 1 Dam—Louisville, Ky. . . . . Dec. 24
Adv. Dec. 17 to Jan. 7 and 21.
Feb. 1 Post Office—Prescott, Ariz. . . . . Jan. 14
Feb. 1 Acetylene Flashers — St. George, N. Y. . . . . Jan. 21
Feb. 3 Pipe Masts—Panama, C. Z. . . . . Jan. 7
Adv. Jan. 14 and 21.
Feb. 3 Dredging—Galveston, Tex. . . . . Jan. 7
Adv. Jan. 7 to 21.
Feb. 6 Storehouse—Jacksonville, Fla. . . . . Jan. 14
Adv. Jan. 14 and 21.
Feb. 10 Radio Tower—Eureka, Calif. . . . . Jan. 14
Feb. 11 Metal Work—Louisville, Ky. . . . . Jan. 14
Adv. Jan. 14 and 21.
Feb. 16 Hull—St. Louis, Mo. . . . . Jan. 21
Adv. Jan. 21.
Feb. 19 Radial Gates—Idaho and Oregon . . . . . Jan. 14
Adv. Jan. 14 and 21.
Feb. 23 Valves, etc.—Nebraska . . . . Jan. 21
Adv. Jan. 21.
Feb. 24 Administration—Pearl Harbor, T. H. . . . . Jan. 7
Mar. 1 Cruiser—Wash., D. C. . . . . Dec. 31
Mar. 3 Hospital—Mare Island, Calif. . . . . Jan. 21
Adv. Jan. 21.
Mar. 15 Breakwater—Hilo, T. H. . . . Jan. 21
Adv. Jan. 21.

UNCLASSIFIED

Jan. 22 Subway—New York, N. Y. . Jan. 14
Jan. 25 Heating, Plumbing and Electrical Work—Oshkosh, Wis. Jan. 14
Jan. 26 Circuit Breakers, etc.—Wellington, New Zealand . . . . . Nov. 26
Jan. 26 Heating, etc. — Ithaca, N. Y. . . . . Dec. 31
Jan. 26 Subway—New York, N. Y. . Jan. 7
Jan. 27 Boilers, Generators, etc. — Menomonie, Wis. . . . . Jan. 21
Jan. 28 Swimming Pool—Dover, N. J. . . . . Jan. 14
Jan. 29 Subway—New York, N. Y. . . . . Jan. 21
Feb. 1 Swimming Pool—Los Gatos, Calif. . . . . Jan. 21
Feb. 1 Swimming Pool—Yonkers, N. Y. . . . . Jan. 21
Adv. Jan. 14 and 21.
Feb. 5 Subway—New York, N. Y. . Jan. 7
Feb. 9 Wharf — Lake Charles, La. . . . . Jan. 21
Feb. 10 Coal Handling Plants—Melbourne, Australia . . . . . Dec. 17
Feb. 10 Foundation—Indianapolis, Ind. . . . . Jan. 7
Feb. 16 Circuit Breakers—Auckland, New Zealand . . . . . Dec. 10
Mar. 23 Panels, Filters, etc.—Wellington, N. Z. . . . . Jan. 21

MATERIALS

Jan. 25 Paving Materials—Minneapolis, Minn. . . . . Jan. 21
Jan. 25 Lumber, etc.—Harlan, Ia. . Jan. 21
Jan. 28 Sand Grit, etc.—New York, N. Y. . . . . Jan. 21
Jan. 28 Iron Castings—New York, N. Y. . . . . Jan. 21

Where name of official is not given inquiries should be nddressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Bryson City—Plans to issue $20,000 bonds, waterworks. W. T. Conley, city clk.

N. C., Four Oaks—See "Sewers."

N. C., Greensboro—Election soon $200,000 bonds, waterworks. C. T. Sherrill, city clk.

N. C., Wilmington — Plans water and sewer extensions. $35,000 bonds sold to finance same, also $30,000 for equipment.

Ga., Rome—Election in spring $300,000 bonds, waterworks, sewers and paving various streets. Robert & Co., Tuft Bldg., Atlanta, engrs.

Fla., Ft. Meade—Election Feb. 9, $35,000 bonds, extending mains in various streets.

Miss., Ocean Springs—See "Unclassified."

La., Monroe — See "Buildings — Educational, Religious."

Tenn., Nashville—Dept. Waterworks appropriated $18,000 meters and couplings, $31,600 chemicals for purification, $3,100 fire hydrants and $4,000 cleaning reservoir. H. E. House, mayor.

O., Cincinnati—Hamilton Co. plans 18,586 ft. 4 and 6 in. c.i. mains in Water Supply Line 29 Sanitary Sewer Dist. 3, (Golf Manor), $44,894; 43,332 ft. 6- to 10-in. c.i. mains, etc., in Water Supply Line 24, Sanitary Sewer Dist. 2, $105,776. L. C. Boyatt, Court House, engr.

Ill., Bloomington — Making preliminary surveys improving water and light plants, incl. Diesel engines, etc. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Ill., Kewanee—Bd. Local Impvts., J. H. Andrews, pres., plans 6 in. c.i. mains in Rose St. from West to Washington Sts., Western Ave. from Washington to Adams Sts., Roseview St. from West to Adams Sts., Zang Ave. from Franklin to West Sts., West St. from Roseview to Prospect Sts., 11th St. from Grace Ave. to East St., and East St. from 10th to 11th Sts.; and 4 in. mains in Washington St. from Rose to Western Sts., and in Adams St. from Western to Prospect Sts. $15,000. J. G. Palmer, City Hall, engr.

Ill., Macomb—Voted $100,000 bonds, deep wells, extending mains, etc., in various streets. H. Holmes, Court House, engr.

Ill., Rockford — Plans 1 steam driven 3,500 cu.ft. air compressor, 2 deep wells with conduits and air lines at west end pumping plant, also extending and reinforcing distributing mains. $100,000. B. C. Harvey, City Hall, engr.

Ia., Allerton — Plans waterworks. $15,000. A. B. Cobb, city clk. Engineer not selected.

Minn., Minneapolis — E. L. Noyes, city clk., plans to sell $1,444,000 bonds, waterworks. N. W. Elsberg, city engr.

Minn., Minneapolis — F. S. Gram, city purch. agt., plans to purchase 5,000 water meters, for City. N. W. Elsberg, city engr.

S. D., Willow Lake—F. Peack, city aud., making plans waterworks, incl. sinking deep wells, installing pump equipment, distribution mains, etc. $20,000. Engineer not announced.

Tex., Hereford—Election Feb. 2, $7,500 bonds, pipe, fire hydrants, etc. for waterworks extensions. E. S. Ireland, City Hall, mayor.

Tex., Marshall — Election soon $50,000 bonds, extending mains, etc. in various streets. M. Ramsey, City Hall, city engr.

Okla., Calvin—Making preliminary plans new waterworks. $17,000. H. E. Davis, mayor. Engineer not selected.

Okla., Collinsville — Made preliminary plans 3 new high pressure boilers for water plant. $30,000 bond election in spring for same. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Okla., Henryetta—Plans election $200,000 bonds, impounding reservoir, filter plant, and main extensions, etc. Holway Eng. Co., 503 Wright Bldg., Tulsa, engr.

Okla., Kingfisher—Election Jan. 26, $690,000 bonds, waterworks improvements, incl. softening plant, 18 mi. pipe line, etc., also dam at Lugert. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Spiro—Voted $15,000 bonds, 8,000 ft. 8 in. c.i. mains in various streets. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Calif., Laguna Beach — Voted $600,000 bonds, waterworks.

Calif., Oceanside—Plans 3 m.g. reservoir.

Calif., Santa Cruz — Plans to purchase 6,000 lin.ft. 12 in. or 246 tons Class "B" c.i. pipe. S. A. Evans, city clk. J. K. James, city engr.

Calif., Upland—Soon takes bids 5,600 ft. 12 in. steel pipe and ditch, 6,000 ft. 8 in. and 5,500 ft. 6 in. stand and black pipe and ditch, 2 m.g. concrete reservoir, etc. R. G. Manly, 336 East 9th St., engr. Noted Dec. 3.

Que., Quebec—Plans pumping station, for new section of city. $90,000. F. C. Baillarge, Quebec, engr.

Ont., Toronto — York Twp. plans 5,000 lin.ft. 6 in. c.i. mains, etc. in various streets. $17,000. F. B. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

Mass., Springfield—Feb. 8, by Bd. Water Comrs., Municipal Bldg., 3,475 lengths 6- to 10-in. Class E pipe, reducers, tees, plugs, etc. H. M. King, supt.; adv. E. N.-R. Jan. 21.

N. Y., Willard—Feb. 24, by State Hospital Comn., Albany, additional watermains for fire protection for Willard State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

Md., Salisbury — Feb. 11, by Salisbury Water & Sewer Comn., C. E. Harper, chn., water mains and appurtenances, Contr. 14. F. H. Dryden, ch. engr.; adv. E. N.-R. Jan. 21.

Md., Towson—Jan. 25, by Comrs. Baltimore Co., Court House, mains, etc., as listed in Proposals 7W and 8W, in Pikesville. A. E. Walden, engr.; adv. E. N.-R. Jan. 14.

Fla., Tallahassee — Feb. 9, by R. H. Bridges, city aud. and clk., switch board complete, generator, engine and deep well pump. W. R. Galt, city mgr.; adv. E. N.-R. Jan. 21.

Tenn., Knoxville — Feb. 16, by City Council Chambers, City Hall Park, pumping station, reservoir and filter plant. Alvord, Burdict & Howson, 1417 Hartford Bldg., Chicago, engrs.; adv. E. N.-R. Jan. 21. Noted Oct. 29.

O., Cincinnati—Jan. 27, by Director Pub. Serv., 73,300 ft. 4- to 12-in. c.i. mains in various streets. $75,000. C. O. Sherrill, City Hall, engr. Noted Jan. 14.

O., Cincinnati—Jan. 29, by Comrs. Hamilton Co., for Water Supply Line 7, Dist. 1, (Silverton-Contr. 1), 3,400 ft. 16 in. c.i. pipe, eight 5 ton castings and five 16 in. valves and chambers. $24,000. L. C. Boyatt, Court House, engr.

Ind., Anderson — Feb. 10, by M. H. Donney, engr., Anderson, 3 deep water wells with pumps, etc. complete, for City.

Ill., Albion — Jan. 25, by City Clerk, complete waterworks and distribution system. To exceed $15,000. Caldwell Eng. Co., Jacksonville, engrs.

Ill., Lockport—Jan. 25, at City Hall, deep well, pumping station, etc, Maury & Gordon, 1445 Monadnock Blk., Chicago, consult. engrs. Noted Oct. 29.

Wis., Wauwatosa—Jan. 29, by Bd. Purchases, A. V. Brigham, secy., fifty 5 in. fire hydrants, fifty 6 in. and twelve 12 in. gate valves, 75 roadway boxes, one thousand ¾ in. and three hundred ⅝ in. corporation cocks, one thousand 1 in. and three hundred ¾ in. curb stops, three hundred each ⅝ in. and ¾ in. meter stops, also six hundred ⅝ in. meter couplings, etc. for Water Dept.

Mo., St. Louis — Feb. 16, by Bd. Pub. Serv., rapid sand filter plant at Howards Bend, St. Louis Co.; adv. E. N.-R. Jan. 21. Noted Jan. 7.

Ark., Fayetteville — See "Waterworks under Contracts Awarded."

Tex., Port Arthur — Feb. 11, by J. C. Hamilton, city clk., 1,000 ft. 24 in. Class "B" H. and S. pipe, two 12 x 12 H. and S. crosses, two 24 x 24 H. & S. tees, five 24 in. valves, for City.

Okla., Cushing—City in market low lift pump to raise water from lake to filter plant.

Calif., Wasco — Feb. 2, by Directors Wasco Pub. Utility Dist., 27,000 lin.ft. c.i. 4- to 10-in. water pipe, 2 deep well pumping plants. Noted Nov. 12.

BIDS RECEIVED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Jan. 12, mains in Douglaston Parkway, Winchester Blvd., etc., from Gregory Contg. Co., 351 East 124th St., New York City, $117,474. Noted Jan. 7.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Jan. 12, mains in Beach, Bryant, Carlton, Cromwell, Fidler, Fremont Aves., etc., from Knight & DeMicco, 448 East Tremont Ave., New York City, $25,215. Noted Jan. 7.

Ill., Lebanon—City Clerk for Bd. Local Impvts., 34,600 ft. 4- to 6-in. c.i. pipe, 45 fire hydrants, eight 8 in., twenty-two 4 in. and twenty-two 6 in. gate valves, etc., from E. K. Ladd, Peotone, $49,960. Noted Jan. 7.

Minn., Minneapolis — F. S. Gram, city purch. agt., Jan. 12, special castings, from Amer. Brake Shoe Fdry. Co., 37th Ave. N. E. and University Ave., $71.75 per ton; and 8,000 lin.ft. c.i. pipe, from Amer. Cast Iron Pipe Co., 712 Plymouth Bldg. at $0.935 per ft.

Calif., San Diego—Common Council, Jan. 11, from B. Noble, Spreckels Bldg., water system in Alta Vista, Homedale St., etc., 6,495 lin.ft. 4 in. c.i. pipe $1.50 per lin.ft., and 11,802 lin.ft. 6 in. c.i. pipe $1.80, etc., total $33,783.

See proposal advertisements on page 116, Advertising Section.

Eat Your Cake and Have It Too

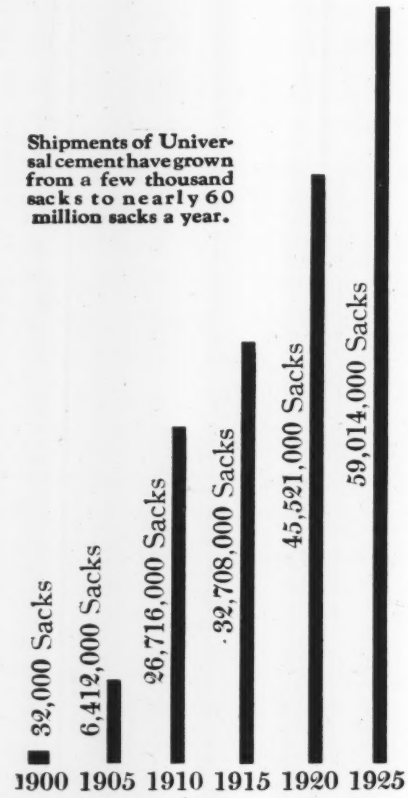
THERE is an old saying that you cannot eat your cake and have it too, and it's true of most things. Nearly all commodities are consumed in use. Food is consumed. Clothing is consumed.

But there is a product used but not consumed. Cement is used in making concrete, and concrete is permanent. It grows stronger with age. It cannot rust, rot, or burn. It endures.

Concrete highways connect city and country. Concrete forms the base of well-paved streets and alleys. A grid-iron of hundreds of thousands of miles of concrete sidewalks in the United States makes walking easy. Railroads are large users of concrete. Modern buildings are of reinforced concrete. Concrete goes into many farm structures. Almost everything from chicken coops to skyscrapers rests on a concrete foundation.

The Universal Portland Cement Co. has shipped a total of 756 *million* sacks or about 36 *million* tons of cement. This would fill over a *million* box cars, making a train about 8,500 miles long and requiring 28,000 locomotives to move it. This is enough cement to build a system of permanent concrete roads radiating from Chicago to the capital of every state in the Union.

Practically all this Universal cement—756 *million* sacks—still serves a useful purpose. It has not been consumed but has been transformed into houses, industrial buildings, improved highways, water-power developments and other valuable improvements that form additions to the permanent, taxable wealth of the country as well as tools for production of additional wealth.


Shipments of Universal cement have grown from a few thousand sacks to nearly 60 million sacks a year.
32,000 Sacks
6,412,000 Sacks
26,716,000 Sacks
32,708,000 Sacks
45,521,000 Sacks
59,014,000 Sacks
1900 1905 1910 1915 1920 1925

Universal Cement, unlike the cake one cannot eat and also have, is used but not consumed.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland New York

Concrete for Permanence

Waterworks (Continued)

CONTRACTS AWARDED

Mich., Detroit—Bd. Water Comrs., 4,500 tons 36 in. Class C c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., $42.60 per ton.

Ill., Golconda — For 2 water towers, 2 rein.-con. storage basin, 2 deep wells, 23,195 lin.ft. c.i. mains, pumping station, etc., to E. K. Ladd, Peotone, $139,000.

Ark., Fayetteville—For 1,200 gal. duplex pump with necessary equipment, to Fairbanks-Morse Co., 900 South Wabash Ave., Chicago, Ill.; also city will build 125 ft. concrete dam on White River, by day labor. E. M. Ratliff, Stone Bldg., engr.

Tex., Wellington — Extending mains in various streets, also additional pumping equipment, etc., to Panhandle Constr. Co., Lubbock, approximately $32,000.

Sewers

PROPOSED WORK

Conn., Bridgeport—Plans sewage disposal plant, Congress St. To exceed $25,000. J. A. McElroy, city engr.

Pa., Pittsburgh — Making preliminary plans sewers in Greenway Dr. $60,000. City Bureau of Engineering, Dept. Pub. Wks., engrs.

N. C., Four Oaks—Making plans sanitary sewers in various streets, $70,000; also water pump and motor, $10,000. J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., engrs. Noted Dec. 24.

N. C., La Grange—Plans to issue $50,000 bonds, sewerage system.

Ga., Atlanta—Plans election in March or April $2,000,000 bonds, sewers and removing Peachtree Creek disposal plant to point closer to river. W. Sims, mayor.

Ga., Rome—See "Waterworks."

Fla., Ft. Meade—Election Feb. 9, $65,000 bonds, sewers in various streets.

Miss., Ocean Springs—See "Unclassified."

O., Fairview—Takes bids in spring sewers in Lorain St., Sewer Dist. 1, and Elmore Ave. To exceed $25,000. E. H. Arnold, Town Hall, engr.

O., Geneva-on-the-Lake — Ashtabula Co. (Jefferson) made preliminary plans 2 sewage treatment plants at Red Brook, here. R. F. MacDowell, 1770 East 11th St., Cleveland, engr.

Mich., Detroit—Dept. Pub. Wks., making plans brick and concrete sewers in newly annexed districts, incl. 1,650 lin.ft. each in Buchanan, Otis and Toledo Aves. from Military to Junction Aves. $42,000 each, 2,400 lin.ft. Commonwealth Ave. from Grand River to Lysender Aves. $52,800, 2,000 lin.ft. Carr Ave. Sewer from Brainard to Canfield Aves. $44,000, all foregoing 5½ ft.; 1,700 lin.ft. each in Waveney Ave. Arm and in Southampton Ave. Arm from Kennsington to Cadieux Aves. $31,000 each, and 2,600 lin.ft. Seven Mile Rd. from Connors to Townline Rds. $47,000, all foregoing 3 to 4½ ft.; 5,000 ft. Sherwood-Winchester Sewer from Moran to Windfield Sts. $105,000, 5,000 lin.ft. Atlantic-Winchester Sewer from Lamont to Mound Aves. $105,000, and 3,000 lin.ft. Pembroke Ave. Sewer from Wyoming to Crudder Aves. $75,000, all foregoing 3½ to 6 ft.; 4,600 lin.ft. each in Schoenherr Ave. Sewer and Walthan Ave. Sewer from Seven Mile to Brinker Rds. $161,000 and $138,000 respectively, both 5 to 7 ft.; 5,300 lin.ft. Mack Ave. Sewer from Bedford to Kennsington Aves. $117,000 and 1,500 lin.ft. Southampton Ave. Arm from Bedford to Kennsington Aves. $34,000, both 4 to 6 ft.; 4,300 lin.ft. 11 ft. cylinder, West Ave. Sewer from Fort to River Rouge Sts. $344,000; 2,300 lin.ft. 9½ ft. cylinder in Springwells Ave. Sewer from Fort to Longworth Sts., $138,000; 3,200 lin.ft. 6 ft. in Springwells-Gartner Ave. Sewer from Longworth to Lawnsdale Aves., $96,000; 6,000 lin.ft. Fort Street Ave. Sewer 5½ to 7½ ft. from Elsmere to Waterman Sts., $210,000; 5,000 lin.ft. Longworth-Pershing Ave. Sewer 6 to 7 ft., from Lansdale to Waterman Aves., $150,000; 3,800 lin.ft. 6 ft. cylinder in Ferndale-Woodmere Sewer from Mulane to River Rouge Sts., $95,000; 8,400 lin.ft. 11½ ft. Cavalry Ave. from River to Toledo Sts., $672,000; 3,500 lin.ft. 10 ft. in Hammond Ave. Sewer from Toledo to Otis Aves., $228,000; 2,600 lin.ft. 8½ ft. Hammond Ave. Sewer from Otis to Buchanan Sts., $130,000; 13,600 lin.ft. 9 ft. in 12th St. from River to Brainard Sts., $612,000; 4,500 lin.ft. 5½ to 9 ft. in Brainard St. Sewer from 12th to Cass Sts., $112,500; 11,500 lin.ft. 10 to 12½ ft. in Outer Drive-Hayes Blvd. Sewer from Harper to Seven Mile Rd., $805,000; 2,600 lin.ft. 5 to 7 ft. in Hayes Blvd. from Seven Mile to Daniels Rd., $57,000; 1,400 lin.ft. 10 ft. Seven Mile Rd. Sewer from MacCary to Hayes Rds., $84,000; 4,600 lin.ft. 7 to 9 ft. Seven Mile Rd. Sewer from Schoenherr to Arnold Rds., $230,000; 2,600 ft. 5 and 6 ft. in Crossmann Ave. Sewer from Daniels to Eight Mile Rd., $65,000; 2,540 lin.ft. 3 to 4 ft. in Taylor Ave. Arm from Sommerset to Whitehall Sts., $46,000; 7,700 lin.ft. 4½ to 8 ft. Cadieux-Seven Mile Dr. from Harper to Kelly Aves., $170,000; 4,200 lin.ft. 3 to 5 ft. Greiner Ave. Sewer from Connors to Hamburg Aves., $75,000; 4,000 lin.ft. 4½ to 9 ft. State Fair Extension from Mound to Texas Aves., $112,000; 5,000 lin.ft. 3½ to 5 ft. in Griggs-Curtis Sewer from Sheffield to Wyoming Aves., $105,000; also sewer in Liddesdale Ave. from Gleason to Pleasant Aves., $490,000; Pelham-Fort Sewer from Liddlesdale to Dix Aves., $200,000; Dearborn Ave. Sewer from Campbell to Dumbries Aves., $90,000; Corbin-Downing Sewer from Liddesdale to Dumfries Aves., $75,000 and Visger-Francis Sewer from Bassett to Dumfries Aves., $85,000. P. A. Fellows, City Hall, engr.

Mich., Detroit—Dept. Pub. Wks., making plans sewers in newly annexed territory incl. diverting Connors Creek Outlet sewer 5,600 lin.ft. down Detroit River to harbor line, $2,400,000; diversion tunnel in Freud Ave. to carry off water from Fox Creek basin to Connors Creek outlet, $3,420,000; Upper Fox Creek Public Sewer, $2,700,000; Fox Creek Trunk Sewer and pumping station, $4,216,000; Jefferson Ave. Relief Sewer and pumping station at Connors Creek, $5,459,000; 10 mi. storm sewers in separate sewer districts east of Connors to Cadieux and north of Mack and Harper Aves., $150,000; outlet section, Lonyo Sewer Dist., $150,000; 4,600 ft. 5 to 7 ft. cylinder in Arnold Ave. Sewer from Seven Mile Rd. to Brinker Ave. $138,000, 1,800 ft. 10 ft. 6 in. State Fair Ave. Sewer from Van Dyke to Connors Ave. $81,000, 2,900 ft., 13½ ft. Connors Creek Sewer from Seven Mile Rd. to State Fair Ave. $180,000, 5,600 ft. 12½ ft. Burns Ave. Sewer from river to Charlevoix Ave. $448,000, 2,800 ft. 11 ft. Burns Ave. Sewer from Charlevoix to Sylvester Aves $182,000, 4,500 ft. 10 ft. Burns Ave. Sewer from Sylvester to Chapin $247,000, 3,000 ft. 7 ft. Burns Ave. Sewer from Chapin to Harper Aves. $105,000, 4,800 ft. 5 to 6½ ft., Charlevoix Ave. Sewer from Van Dyke to Cadillac Ave. $144,000, 6,500 ft. 3½ to 8 ft. Sylvester Ave. Sewer from Field to Cadillac Aves. $195,000, 7,500 lin.ft. 4½ to 8 ft. Palmer-Chapin Sewer from Canton to Cadillac Aves. $225,000; Laterals and Public arms (city's portion of expense) connecting lateral sewers to trunk sewers $2,800,000; also docks and outlets $900,000. P. A. Fellows, city engr.

Ill., Decatur—Plans mains and laterals in North Side Sewer Project. $434,000. M. P. O'Brien, City Hall, engr. Noted July 30.

Ill., Rockford—Made plans approximately 2 mi. sewers in Cunningham, Blake, Loomis, Morgan and Kent Sts. $33,000. B. C. Harvey, City Hall, engr. Noted Jan. 14.

Wis., Milwaukee—J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., rejected bids Dec. 30, two 5,000 g.p.m. motor driven float controlled centrifugal pumps, for Mud Creek low level sewerage booster station. Noted Jan. 7.

Wis., North Fond du Lac (br. Fond du Lac)—Election Jan. 26, $13,000 bonds, two sewage pumps. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engr.

Ark., Gentry — Plans 6 mi. sanitary sewers in various streets. $33,000. Engineer not selected.

Tex., Amarillo — Making plans disposal plant, incl. 36 ft. Imhoff tank, 2 mechanical aeration and 1 Dorr tank. $53,000. H. B. Jones, Amarillo, engr. Noted Nov. 19.

Okla., Spiro — Made preliminary plans sewers in all streets. $27,000. M. L. Coon, mayor. Engineer not announced.

Calif., Glendale—City Trustees rejected bids Dec. 31, sewers in Lateral Sewer Dist. 2 (North Central Section), 68,637 lin.ft. 8 and 10 in. vitr. pipe, 126 lin.ft. 8 and 10 in. vitr. pipe encased in concrete, c.i. water pipe, wyes, etc. Noted Dec. 24.

Calif., Los Angeles — Los Angeles Co. Sanitation Dist. 7 (incl. Monrovia, El Monte, Alhambra, Arcadia, Flintridge, Lamanda Park, Sierra Madre, South Pasadena, Altadena, San Marino, etc.) plans election $4,400,000 bonds, sewers in various streets.

Que., Montreal—City Council soon takes bids trunk sewer in St. Paul's Ward. $1,700,000. H. A. Terrault, city engr.

Ont., Toronto — East York Twp. plans 6,000 lin.ft. 8 in. vitr. tile sewer in Goodwood Park Crescent $12,353, Main St. $8,983, and Rosevear Ave. $5,181. G. R. Jack, 443 Sammon Ave., engr.

BIDS DESIRED

N. Y., St. George — Jan. 28, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewers in Mill Rd., 6th St., Hylan Blvd. (Southside Ave.), Guyon and Adelaide Aves., all in New Dorp, Oakwood and vicinity, Contr. 5.

Pa., Phila.—Jan. 27, by Dept. Pub. Wks., Bureau of Engineering, Schedule A, branch sewer; Schedule B, removal of present and constructing new sewers; Schedule C, inlets, laterals, and appurtenant work; Schedule D, test borings. G. H. Biles, dir.

Pa., Quakertown — Feb. 8,* by Boro. Council, F. A. Krauss, secy., sewage treatment plant, known as Contr. 2 of Proposed Sewerage System. Remington & Vosbury, 509 Cooper St., Camden, N. J., engrs.; adv. E. N.-R. Jan. 21.

Md., Baltimore—Jan. 27, by Bd. Awards, 21,500 lin.ft. 24- to 60-in. rein.-con. pipe. M. J. Ruark, City Hall, sewerage engr.

O., Toledo—Feb. 9, by W. T. Jackson, dir. Pub. Serv., Storm Sewer 1269, and Main Combined Sewer 1488. C. Baker, secy.; adv. E. N.-R. Jan. 21.

Ia., Pella—Jan. 26, by A. C. Kuyper, city clk., City Hall, 3,140 ft. 10 in. and 20,684 ft. 8 in. vitr. clay 100 ft. 6 in. vitr. clay riser, 300 ft. 8 in. c.i. sewers, etc. in various streets. W. A. Price 1010 Clinton St., Des Moines, engr. Noted Dec. 10.

Tex., Waco—Mar. 15, by City, activated sludge type sewage disposal plant. $250,000. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs. V. G. Koch, city engr. Noted Jan. 7.

Ont., Hamilton—Jan. 26, by F. F. Treleaven, mayor, City Hall, high tension equipment, transformers, 5 vertical electric motors, automatic switching equipment, etc., for Gage Ave. Sewage Pumping Station. W. L. McFaul, City Hall, engr.

CONTRACTS AWARDED

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, (**e. e. means engineers estimate**) sewers in Rutland Rd. and East 18th St. to Tomasetti & Co., Inc., 1133 60th St., 74% e. e. $10,134 and 67% $6,106 respectively. Noted Jan. 14.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Ericsson Ave., to Greenough Coppinger, 9301 86th St., Woodhaven, $2,749; storm sewer in Metropolitan Ave., to J. Gallo, 203 Division St., Brooklyn, $44,124; sewer in North Conduit Ave. to Kennedy & Smith, 93 Amity St., Flushing $79,464. Grand total $126,337. Noted Jan. 7.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., storm sewer in 26th St. between North Menomonee Canal and Grand Ave., Sect. 1, and in 26th St. between Grand Ave. and Prairie St., Sect. 2, to Wenzel & Henoch Constr. Co., 498 27th St. $322,198 and $290,632 respectively; and in 26th St. between Prairie and Cherry Sts., etc., Sect. 3, to Hoag & Rollins Co., 719 West Liberty St., Louisville, Ky., $286,827. Grand total $899,657. Noted Jan. 7.

Tex., Kingsville — See "Streets and Roads."

Calif., Belmont—Belmont Sanitary Dist., 64,180 lin.ft 6- to 21-in. vitr. sewers in various streets, to C. E. Prentiss, 1734 Francisco St., Berkeley, $105,705. Noted Dec. 31.

Calif., Long Beach—Sewer in Esther St. (Pump Dist. 8), 53,155 ft. 8 in. pipe and 16,777 ft. cement pipe, etc., to R. N. Nikcevich, 208 Roycroft Ave., $161,229. Noted Jan. 7.

Calif., Los Angeles — Constructing 8,242 ft. 2 ft. semi-elliptical, brick-concrete sewer in East Branch of Sect. 37, North Outfall Sewer Project, to C. E. Green, Western Mutual Life Bldg., $28,849. City furnishes materials.

Calif., Watsonville—City Council, 14,350 ft. 6- to 10-in. vitr. clay sewers in various streets, also rein.-con. pipe outfall, screening pumping plant, etc., to Butte Electrical Equipment Co., 530 Folsom St., San Francisco, $150,286.

Waste Disposal

PROPOSED WORK

Ala., Mobile—Election Jan. 25, $85,000 bonds, incinerator.

Bridges

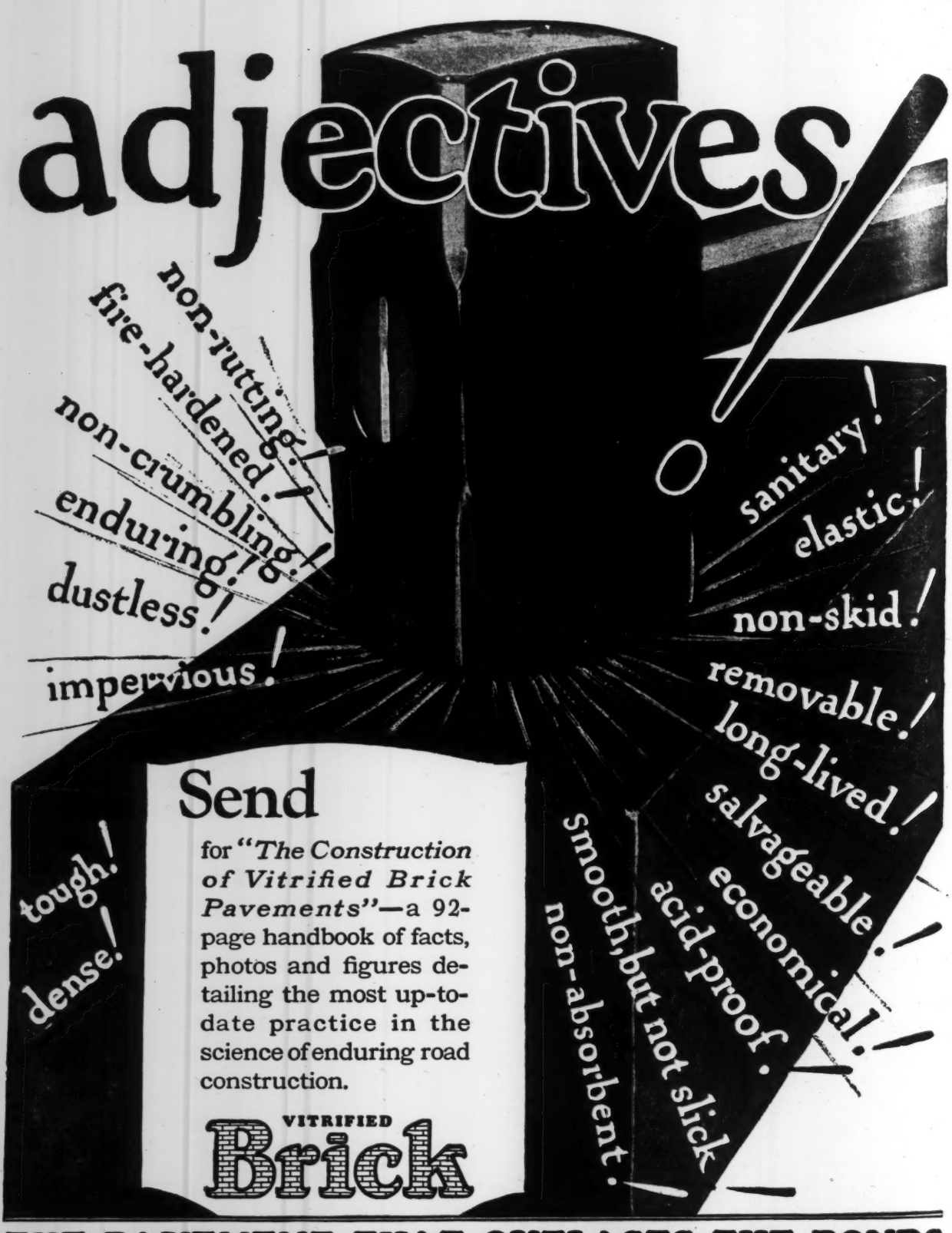
PROPOSED WORK

North Carolina—See "Streets and Roads."

N. C., Washington — State Hy. Comn., Raleigh, plans rein.-con. and steel bridge over Tar River on Project 1040, here. $100,000. C. M. Upham, highway engr.

See proposal advertisements on page 116, Advertising Section.

adjectives!



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Bridges (Continued)

Ga., **Atlanta**—Plans election in March or April $1,000,000 bonds, constructing Central Ave. and Pryor St. viaduct. W. Sims, mayor.

Tennessee and Arkansas — Tennessee Dept. Highways & Pub. Wks., Nashville, C. N. Bass, acting comr., Arkansas State Hy. Dept., Little Rock, R. C. Limerick, highway engr., and City of Memphis, Tenn., H. Paine, mayor, signed agreement to construct new Harahan Bridge replacing present structure over Mississippi River between Memphis, Tenn. and Arkansas, Federal Aid Project. $1,000,000. Noted Apr. 24, 1924.

Tenn., Madisonville — Monroe Co. voted $100,000 bonds, toll bridge at Niles Ferry.

Ill., Peoria—See "Streets and Roads."

Missouri — State Hy. Dept., Jefferson City, making plans one 40 ft. rein.-con. deck girder span, etc. over Marcus Creek, Audrain Co.; three 20 ft. rein.-con. slab spans, etc. over Castor River overflow and two 140 ft. steel truss spans, etc. over Castor River and Castor River overflow, both in Bollinger Co.; two 12 ft., two 18 ft. and three 16 ft., rein.-con. slab spans, etc. over creek, three 24 ft. rein.-con. slab spans, etc. over Homing Creek, three 24 ft. rein.-con. slab spans, etc. over Grindstone Creek, one 40 ft. and two 20 ft. rein.-con. slab spans, etc. over Little Cedar Creek, one 45 ft. and seven 24 ft. rein.-con. slab spans, etc. over Cedar Creek, one 45 ft. and five 20 ft. rein.-con. slab spans, etc. over Hinkson Creek, all foregoing in Boone Co.; one 86 ft. steel truss span, etc. over creek, Buchanan Co.; four 10 ft. and three 16 ft. rein.-con. slab spans, etc. over stream, three 80 ft. steel truss, one 20 ft. and two 35 ft. I-beam spans, etc. over Auxvasse River, all in Callaway Co.; one 20 ft. rein.-con. slab span, etc. over West Dog Creek, Davies Co.; one 30 ft. I-beam span, etc. over railroad tracks, De Kalb Co.; two 45 ft. rein.-con. deck girder spans, etc. over Wild Cat Creek, Douglas Co.; three 20 ft. rein.-con. slab spans, etc. over McDougal Branch, Newton Co.; two 10 ft. rein.-con. slab spans, etc. over stream, two 30 and one 40 ft. rein.-con. deck girder spans, etc. over Panther Creek, both in St. Clair Co.; also two 80 ft. steel truss and two 40 ft. rein.-con. girder spans, etc. over Clear Creek, Vernon Co. B. H. Piepmeier, ch. engr.

Tex., Austin—See "Streets and Roads."

Tex., Seymour—See "Streets and Roads."

Oklahoma—State Hy. Dept., Oklahoma City, making surveys and plans 1 span 80 ft. truss bridge across Sallisaw Creek at Vian, $30,000; and 1 span 110 ft. truss bridge across Illinois River at Gore, $45,000, both Sequoyah Co. J. M. Page, highway engr.

Okla., Purcell — State Hy. Dept., Oklahoma City, made plans bridge across South Canadian River, here. $300,000. J. M. Page, highway engr.

Nev., Reno—Voted $70,000 bonds, bridge over Truckee River on Center St. Total $140,000. H. Chism, city engr. Noted Oct. 29.

Wash., Chehalis — See "Railways under Washington."

Calif., Hamilton City — Plans election $40,000 bonds, bridge over Grand Central Canal, on Chico-Orland Highway, and rebuilding St. John Bridge, for Hamilton Blvd. Dist.

Calif., Oakland—Alameda Co. plans reconstructing steel bridge, on Webster St. $200,000. G. A. Posey, Oakland, co. surv.

Que., Quebec — Provincial Government made plans two 85 ft. span concrete deck bridge over St. Charles River. $35,000. E. I. Vallee, Quebec, engr.

Ont., Latchford—Northern Development Branch, Province of Ontario, Parliament Bldgs., Toronto, plans 250-300 ft. steel bridge over Montreal River, here. $30,000-$50,000. C. H. Fullerton, Parliament Bldgs., Toronto, engr.

Ont., London — W. P. Near, city engr., takes bids about Feb. 1, 220 ft., concrete and steel bridge, Ridout St. for City Council.. $75,000. Noted June 25.

BIDS DESIRED

New Jersey — Feb. 3, by Monmouth Co. (Freehold) reconstructing bridge H1-45, on road from Belmar to Squankum, in Howell Twp. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. E. N.-R. Jan. 21.

Pennsylvania — Feb. 8, by Beaver Co. (Beaver), constructing 4 river piers for bridge across Ohio River between Ambridge and Woodlawn. T. J. Wilkerson, Federal Title & Trust Bldg., Beaver Falls, consult. engr.

Georgia — Jan. 29, by State Hy. Comn., East Point, **(F. A. P. means Federal Aid Project, and S. A. P. means State Aid Project)**, 4 bridges on Waynesboro-Swainsboro Rd., F. A. P. 387-B, Burke Co., 106,845 lb. reinforcing, 1,696 ft. concrete piling, etc.; 3 bridges on Brunswick-Jacksonville Rd., S. A. P. 432-S, Camden Co., 3,050 ft. untreated and 75,600 ft. treated timber, etc.; bridge over Savannah River, between Elberton, Ga., and Calhoun Falls, S. C., F. A. P. 447, Elberton Co., Ga., and Abbeville Co., S. C., 765,000 lb. reinforcing, etc.; concrete culverts on Carnesville-Commerce Rd., F. A. P. 352-B, Banks Co. W. R. Neel, highway comr.

Fla., Key West — Mar. 1, by Comrs. Monroe Co., bridges connecting present termini of Over Sea Highway. D. Z. Filer, clk.; adv. E. N.-R. Jan. 21.

Alabama—Feb. 10, by State Hy. Comn., Montgomery, superstructure for bridge across Coosa River near Leesburg, S-41-A, Cherokee Co.; concrete and steel bridges on road between Seale and Guard, Russell Co., and on Federal Aid Project 150, on road from Tuscaloosa and Eutaw, Tuscaloosa Co. W. A. McCalla, highway engr.

Ala., Mobile—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Louisiana—Feb. 16, by State Hy. Comn., Baton Rouge, 139 ft. creosoted timber bridge, State Aid Project 375-B, East Feliciana Parish; also reconstructing 5 bridges on Columbia-Royville Highway, State Project 18A, Caldwell Parish. W. B. Robert, Reymond Bldg., Baton Rouge, Highway engr.

Minnesota—See "Streets and Roads."

Oklahoma—Feb. 2, by State Hy. Dept., Oklahoma City, 1 span 120 ft. steel truss bridge on concrete piers at Vera, Washington Co., 46.81 lb. steel truss, 31.4 tons reinforcing, 3,700 ft. wooden piling, etc., $31,000, 3 span 60 ft. rein.-con. trestle bridge at Mulhall, Logan Co., 19.71 lb. I-beam, 9.36 tons reinforcing, 1,900 ft. wooden piling, etc., $25,000, 1 span 96 ft. steel truss bridge on concrete piers at Haskell, Muskogee Co., 39.74 tons steel truss, 11.81 tons reinforcing, 3,860 ft. wooden piling, etc., $27,000; widening trusses on present piers 3 span 180 ft. bridge at Dickson, Oklahoma Co., 38.4 tons I- beam, 14.8 tons reinforcing, 770 ft. wooden piling, etc., $25,000. J. M. Page, highway engr.

Oklahoma—Feb. 2, by State Hy. Dept., Oklahoma City, 4 span 280 ft. concrete steel truss bridge on concrete piers, at Banner, Canadian Co., 197.4 tons steel truss, 46.4 tons reinforcing, 3,890 ft. wooden piling, etc., $68,000; 2 span 80 ft. bridge at Sapulpa, Creek Co., 23 tons I-beam, 16.4 tons reinforcing, etc., $28,300; 22 span 240 ft. pile trestle bridge at Shattuck, Ellis Co., 131,100 ft. timber, 6,440 ft. wooden piling, 17,019 ft. creosoted timber, etc., $35,000; 2 span 80 ft. concrete and rein.-con. trestle bridge at Nash, Grant Co., 10.6 tons I-beam, 5.97 tons reinforcing etc., $27,500; 18 span 280 ft. pile trestle bridge at Edith, Harper Co., 6,850 cu.yd. embankment, 3,854 ft. wooden piling, 10,650 ft. creosoted timber, etc., $30,000; 6 span 610 ft. steel truss bridge on concrete piers at Dover, Kingfisher Co., 446.2 tons steel truss, 77.81 tons reinforcing, etc., $100,000; 2 span 146 ft. steel truss bridge at Turney Falls, 180.5 tons steel truss, 16.45 tons reinforcing $48,800, 2 span 140 ft. steel truss bridge at Turner Falls, 180.5 tons steel truss, 17.11 tons reinforcing, etc. $45,000, and two span 130 ft. rein.-con. bridge at Davis, 20.75 tons I-beam, 11.76 tons reinforcing, etc. $31,000, all Murray Co.; 4 span 118 ft. concrete and rein.-con. trestle bridge at Catale, 59.5 tons I-beam, 9.4 tons reinforcing, etc. $31,000, 5 span 132 ft. rein.-con. trestle bridge at Chelsea, 7.09 tons I-beam, 4.28 tons reinforcing, etc. $36,000, and 2 span concrete trestle bridge at Talala, 33.63 tons structural steel, 13.8 tons reinforcing, etc. $38,000, all Rogers Co.; 5 span 140 ft. rein.-con. trestle bridge at Loco, 47.81 tons I-beam, 35.3 tons reinforcing, 1,005 cu.yd. concrete, 5,600 ft. wooden piling, etc. $30,000, 124 ft. 2 span rein.-con. trestle bridge at Comanche, 5.11 tons I-beam, 5 tons reinforcing, etc. $41,500, 1 span 60 ft. rein.-con. trestle bridge at Comanche, 23 tons I-beam, 6.65 tons reinforcing, etc. $25,000, 1 span 64 ft. bridge at Comanche, 23 tons I-beam, 7.5 tons reinforcing, 1,650 ft. wooden piling, etc. $25,000, all in Stephens Co.; 22 span 360 ft. pile trestle bridge at Waynoka, Woods Co., 112,800 ft. timber, 8,500 cu.yd. embankment, 7,392 ft. wooden piling, 28,050 ft. creosoted timber, etc., $45,000. J. M. Page, highway engr.

Ore., Kernville—State Hy. Dept., Salem, taking bids bridge over Siletz River, here, Lincoln Co., 19,000 ft. piling, 950 cu.yd. concrete, 17,000 lb. metal reinforcement, 340,000 lb. structural steel, etc. R. Klein, Salem, engr.

BIDS RECEIVED

Tex., Austin—See "Streets and Roads."

Tex., Orange—Orange Co., Jan. 8, 2,717 ft. creosoted pile trestle bridge, 18 ft. across Old River Cove, from A. C. McFarlane, Orange, $49,315. Engrs. est. $68,500.

CONTRACTS AWARDED

North Carolina—State Hy. Dept., Raleigh, to Sanford & Brooks, West Shore Terminal Bldg., Charlestown, S. C., bridge over Lower Chowan River, Project 109-H, Bertie-Chowan Counties, 1,502 cu.yd. Class "A" concrete $28.50 per cu.yd., 1,018,260 lb. reinforcing $0.05, 1,682 lin.ft. untreated timber piles $0.80, 6,200 lin.ft. creosoted timber piles $0.65, 207,500 lb. structural steel $0.078, 15,220 sq.yd. asphaltic wearing surface $2.10, 52,035 lin.ft. precast concrete piles $1.85, etc. total $432,423; to J. S. Bowers, Whiteville, bridges on Project 348, Cumberland Co., 571 cu.yd. Class "A" concrete $30, 83,870 lb. reinforcing $0.06, 3,200 lin.ft. untreated timber piles $1.25, 413 sq.yd. concrete wearing surface $2.50, etc., total $28,075; to Kiker & Yount, Reidsville bridges on Project 605, Alexander Co., 1,210 cu.yd. Class "A" concrete $25.50, 165,960 lb. reinforcing $0.05, etc., total $39,153. Grand total $499,651. Noted Dec. 24.

Kan., Oswego — Labette Co., Neosho River Bridge, two 120 ft. and one 140 ft. through arch spans, and Hickory Creek Bridge, one 120 ft. through arch span, both on Parsons-Pittsburg Rd., Federal Aid Project 214-C, to Sharp Bros. Contg. Co., Eldorado, $95,522.

Kan., Wellington—Sumner Co. bridge on 11.957 mi. Federal Aid Project 323 A and B, to Wilson Constr. Co., Warrensburg, Mo., $64,022; culverts to Schultz Constr. Co., Parsons, Kan., $20,663.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 3 span, 135 ft. rein.-con. bridge over River Des Peres, at Southwest Ave., to J. J. Dunnegan, Manhattan and Picadilly Aves., $29,671. Engrs. est. $33,800. Noted Jan. 14.

Tex., Breckenridge — See "Streets and Roads."

Tex., Crockett—See "Streets and Roads."

Tex., Huntsville — See "Streets and Roads."

Dams

PROPOSED WORK

Okla., Lugert — See "Waterworks under Kingfisher."

Que., Hull—See "Buildings—Industrial."

BIDS DESIRED

New Zealand, Wellington—Mar. 23, by Secretary Pub. Wks., Supplies & Tenders Bd., automatic dam Sect. 182, complete dam and tunnel gates, etc., Sect. 181, at Mangahao Power Development.

CONTRACTS AWARDED

Md., Conowingo—See "Buildings—Industrial."

Ark., Fayetteville—See "Waterworks."

Railways

PROPOSED WORK

Illinois—Jacksonville—Havana R.R. Co., Jacksonville, granted permission by Inter-State Commerce Comn., rehabilitating 51 mi. of former Chicago, Pennsylvania & St. Louis R.R. line between Jacksonville and Havana. $550,000. A. Stevenson, 123 West Madison St., Chicago, pres.

Illinois — Wabash R.R., Exch. Bldg., St. Louis, Mo., plans 90,000 cu.yd. crushed rock ballast on Decatur Division, incl. 21 mi. from Poag to Worden, 27 mi. from Sibley to Mansfield, and 25 mi. from Ryan to Toledo. $100,000. R. H. Howard, ch. engr.

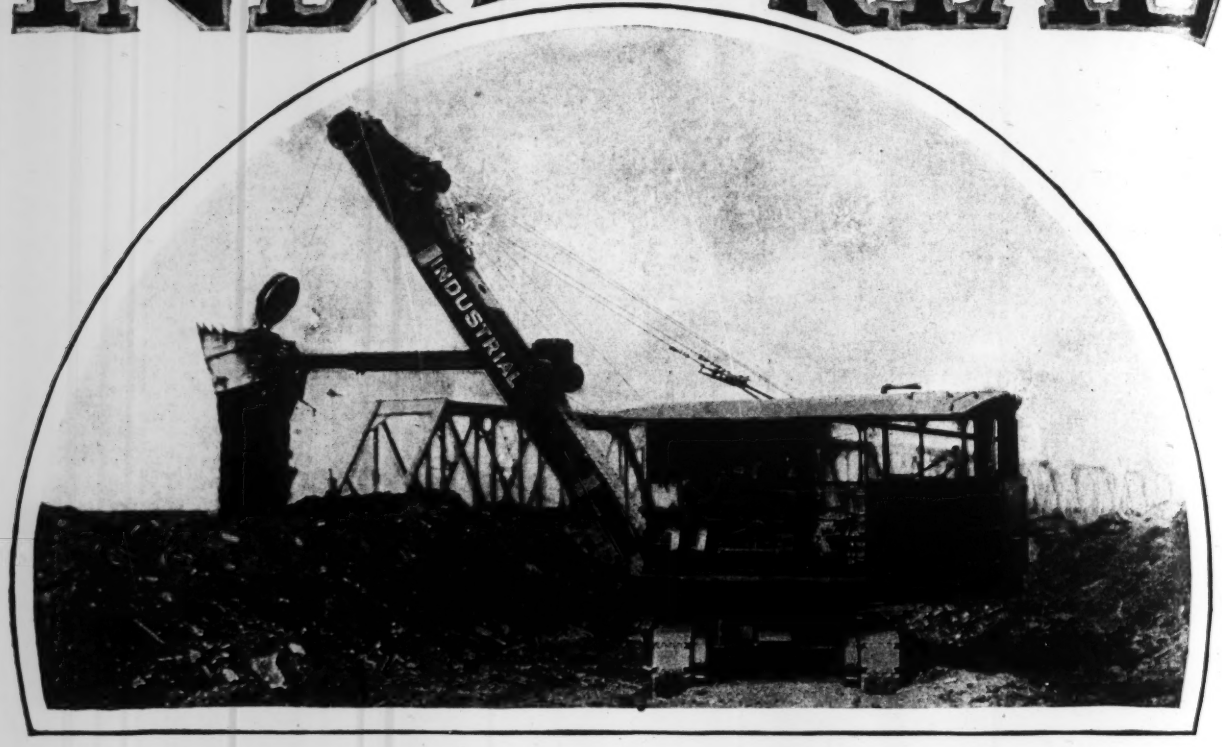
Minnesota—Minnesota Western R.R. Co., E. D. Luce, vice-pres., 2823 6th Ave., N., Minneapolis, soon lets contract 57 mi. railroad extension between Lake Lillian and Dawson. $1,500,000. J. Olson, c/o owner, engr. Noted Oct. 29.

Wyoming—Union Pacific R.R. Co., 1416 Dodge St., Omaha, Neb., plans approximately 4 mi. extension in Goshen Co., here. $182,028. R. L. Huntley, ch. engr.

Missouri—St. Louis-San Francisco R.R. Co., Frisco Bldg., St. Louis, making preliminary plans 174 mi. 100 lb. rails to replace 90 lb. rail incl. double tracks between Tower Grove and Pacific, 81.2 mi. single track between Pacific and St. Clair, 36 mi. single track between Jasper and Pratt City, Ala., and 57 mi. double track between Paola, Kan., and Kansas City, Mo.; rein.-con. and timber viaducts, grade crossing signals, etc., $157,000; train control devices between Afton, Okla., and Monett,

See proposal advertisements on page 116, Advertising Section.

INDUSTRIAL



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INDUSTRIAL WORKS·· BAY CITY·MICHIGAN

Railways (Continued)

Mo., and interlocking towers at various points $359,000; yard sidings, passing tracks, etc., $1,363,000; shops, $210,000; freight and passenger depots, $592,000; water stations, $215,000; change in grade and track alignment between St. Louis and Springfield, $190,000; new rail and fastenings, $2,405,000; 25 locomotives, 4,000 box automovile and gondola cars, etc., $10,500,000; repairing and improving equipment, $1,000,000; new equipment in own shops, $1,650,000. F. G. Jonah, Frisco Bldg., St. Louis, ch. engr.

Missouri — Wabash R.R. Co., Ry. Exch. Bldg., St. Louis, making preliminary plans new rail, track ballasting, yard extensions, etc. on various parts system, $5,000,000; purchasing 2,000 automobile and 20 baggage cars, 25 switch engines, etc., $5,500,000. R. H. Howard, ch. engr.

Missouri—St. Louis-Southwestern R.R. Co., W. S. Hanley, ch. engr., Tyler, Tex., making preliminary plans purchasing new rail, $1,300,000; track ballasting, $300,000; shops and engine houses, $250,000; shop machinery and tools $300,000; new yard tracks and improvements, $250,000; bridges, trestle and culverts, $450,000; tie plates and rail anchors, $350,000, also new passenger equipment, $500,000; all above in St. Louis.

Washington—H. E. Brown, pres. Cowlitz, Chehalis & Cascade Ry. Co., Chehalis, soon lets contract 8 mi. railroad extension, and 125 ft. bridge over Cowlitz River, at Chehalis. R. W. Sweet, ch. engr. Noted July

BIDS DESIRED

Missouri—See "Contracts Awarded."

CONTRACTS AWARDED

Missouri—Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, will grade and lay track, etc., in Sedalia, by day labor; also 1 story, 65 x 120 ft., and 40 x 550 ft. timber reclamation plant, in Sedalia, to J. C. Duncan, 811 Central Natl. Bank Bldg., St. Louis, approximately $15,000. Engrs. total est. $125,000. Noted Nov. 12 under "Buildings—Industrial."

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

N. Y., Buffalo—See "Unclassified."

Mich., Detroit — Dept. Pub. Wks., plans dredging Fox Creek and constructing pumping station to relieve Jefferson Ave., $343,000; ditches in unsewered area West Side, $125,000; and dredging River Rouge Channel, $350,000. P. A. Fellows, city engr.

Calif., Redondo Beach — Plans election $300,000 bonds, breakwater.

Calif., San Francisco — Made plans core boring along and near line of Hetch Hetchy Aqueduct, Coast Range Division. $25,000. M. M. O'Shaughnessy, city engr.

Que., Cap-de-la Madeleine — Dept. Pub. Wks., Ottawa, Ont., making plans dredging eastern branch River St. Maurice, here. $40,000. B. Grandmint, Three Rivers and K. M. Cameron, Ottawa, Ont., engrs.

BIDS DESIRED

Ala., Mobile—Feb. 18, by Mobile Bay Bridge Co., Meaher Bldg., 49,000 ft. dredged embankment for bridge over Mobile Bay. Harrington, Howard & Ash, Kansas City, New York and Mobile, consult. engrs.; adv. E. N.-R. Jan. 21. Noted Jan. 14 under "Bridges."

Calif., Carmichael — Carmichael Irrigation Dist. taking bids 6 mi. riveted steel pipe line, 14- to 16-in. diam. and three 75 KVA transformers. $30,000 available. A. Givan, City Hall, Sacramento, engr. Noted Nov. 12.

BIDS RECEIVED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., Jan. 12, completing Sect. 4, Buffalo River and Cazenovia Creek Impvt., from V. Schiavi, Tupper Lake, $144,500, extra rip rap $4 per sq.yd. Noted Dec. 24.

CONTRACTS AWARDED

Md., Conowingo—See "Buildings—Industrial."

La., Thibodaux—Comrs. Lafourche-Terrebonne D. D., Court House, gravity drainage system, 1,000,000 cu.yd. excav., etc., to Huth Constr. Co., Franklin, at $10.74 per cu.yd. Noted Dec. 17.

Streets and Roads

PROPOSED WORK

Mass., Framingham — Plans concrete paving between tracks on Union Ave. and rebuilding Concord St. from Union Ave. to Clark St. $35,000. Address City Engineer.

N. Y., Albany—City soon takes bids repaving 2.5 mi. Bway. and North Pearl Sts. $210,000. J. G. Brennan, city engr.

New Jersey—Monmouth Co. (Freehold) plans concrete paving 2½ mi. road from Freehold to Manasquan. G. K. Allen, 60 Broad St., Red Bank, engr.

Pennsylvania — Allegheny Co. (Pittsburgh), making plans concrete paving approximately 2 mi. McKeesport-East Pittsburgh Blvd., 22 ft. $347,000. County Bureau of Engineering, 517 Smithfield St., Pittsburgh, engrs.

Pa., Pittsburgh — Making plans paving Perchment St. $34,000, Addison St. between Center Ave. and Reed St. $46,000, and Elmore St. between Reed St. and Center Ave. $36,000. Bureau of Engineering, Dept. Pub. Wks., engrs.

Pa., Pittsburgh — Making plans paving Sommers St. $32,000. City Bureau of Engineering, Dept. Pub. Wks., engrs.

Pa., Uniontown—Fayette Co. soon takes bids constructing Flatrock and other roads. $500,000. E. L. Clemmer, Uniontown, engr. Noted May 28.

W. Va., Parkersburg — Plans election $500,000 bonds, sewers and paving various streets. J. V. Dunbar, city engr.

North Carolina — State Hy. Comn., Raleigh, plans clearing and grading 7 mi. Highway Project 4440, from Chatham Co. line to Project 450. $45,000. C. M. Upham, highway engr.

North Carolina — State Hy. Comn., Raleigh, plans clearing grubbing, bridging and grading 7 mi. Project 840, Henderson Co. $50,000. C. M. Upham, Raleigh, highway engr.

North Carolina — Comrs. Granville Co., (Oxford) plans paving 2.7 mi. road from Hester to point near Creedmore. $90,000.

N. C., Bryson City—Plans to issue $85,000 bonds, paving various streets. W. T. Conley, city clk.

N. C., Tryon—Blue Ridge Realty Co., c/o A. A. Merrick, ch. engr., Tryon, plans bituminous on broken stone or gravel paving 6 mi. roads in connection with Ryxhaven development, near here. $125,000.

Ga., Rome—See "Waterworks."

Ga., Tifton—Election Feb. 11 (extended date), $70,000 bonds, paving various streets. Noted Nov. 26.

La., Monroe — Ouachita Parish election Feb. 2, $1,750,000 bonds, improving 97 mi. highway.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans probably concrete paving 9.5 mi. Cleveland-Hamilton Co. line Rd. Bradley Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Greenville-Bulls Gap Rd., Greene Co., and 10 mi. Dandridge-Sevier Co. line Rd., Jefferson Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans improving 10 mi. Cookeville-Monterey Rd., $190,000 and 15 mi. Cookeville-Smith Co. line Rd., $240,000, both Putman Co. County Court, Putman Co. and Dept. Highways, Nashville, engrs.

Tenn., Blountville — Sullivan Co. and State Dept. Highways & Pub. Wks., Nashville, appropriated $20,000 each, improving Bluff City-Washington Co. line Rd. Work will be done under direction and supervision of State Hy. Dept. C. N. Bass, Nashville, acting comr.

Tenn., Clinton — Anderson Co. plans improving 4 mi. Briceville-Coal Creek Rd. To exceed $25,000.

Tenn., Dover — Stewart Co. plans constructing approximately 15 mi. Dover-Big Sandy Rd. To exceed $25,000.

Tenn., Erwin — Unicoi Co. appropriated $150,000, improving various highways.

Tenn., Greeneville — Green Co. appropriated $170,000, improving Andrew Johnson Highway.

Tenn., Kingston—Roane Co. voted appropriation $70,000, improving 11.5 mi. Kingston-Loudon Co. line Rd. Work will be done under direction of Tennessee Dept. Highways & Pub. Wks. C. N. Bass, acting comr.

Tenn., Knoxville — Plans curbing, grading, sidewalks 2 in. sheet asphalt paving 1,400 sq.yd., 6 in. concrete paving 19,000 sq.yd., and 5 in. asphaltic concrete paving 41,200 sq.yd. various streets. $378,000. W. W. Maynott, Knoxville, engr Noted Nov. 5.

Tenn., Lawrenceburg—Lawrence Co. and State Dept. Highways & Pub. Wks., Nashville, appropriated $21,000 each, bituminous surfacing Lawrenceburg - Columbia Rd. Work will be done under direction and supervision of State Hy. Dept., C. N. Bass, Nashville, acting comr.

Tenn., Linden—Perry Co. election May 8, $30,000 bonds, improving various roads.

Tenn., Maryville—Blount Co. appropriated $100,000, improving Maryville-North Carolina State Line Rd. via Deals Gap.

Tenn., Sevierville—Comrs. Sevier Co. appropriated $100,000, highway connecting East Tennessee with North Carolina through Indian Gap.

Ohio—Dept. Highways & Pub. Wks., Columbus, plans grading, paving, etc., 1,350 to 1,450 mi. highways during 1926. F. G. Schlesinger, dir.

O., Columbus—Making plans grading and concrete or bituminous macadam paving 1,375 ft. McKinley Ave. from Central Ave. to Darby St., 24 ft. $27,000. R. H. Simpson, City Hall, engr.

O., Fairview—Takes bids in spring sidewalks on Donald, Belvidere, Stanford, Elmore, Eastlook, Northwood, Woodstock, and Westwood Aves. To exceed $25,000. E. H. Arnold, Town Hall, engr.

O., New Philadelphia — Tuscarawas Co. plans waterbound macadam or bituminous macadam paving 2.8 mi. Divisions 3 and 4, New Port-Gilmore Rd., 18 ft. $100,000. G. Fiedler, Dover, engr.

O., St. Clairsville — Belmont Co. soon takes bids tar, amiesite and brick surfacing 11 projects. $147,280. E. M. Shirk, St. Clairsville, engr.

O., Upper Sandusky—Making plans grading and paving 653 ft. North Sandusky St., 26 ft., brick $27,000, concrete $24,500. City Engineer.

Mich., Detroit — Dept. Parks & Boulevards, 600 Marquette Bldg., making revised plans, grading, curbing, concrete and tile paving around Scott Memorial Fountain. $50,000. Former bids rejected. Cass Gilbert, 244 Madison Ave., New York City, N. Y., archt. Noted Oct. 29.

Ill., Galesburg—Knox Co. soon takes bids 600,000 gal. road oil on various roads. $40,000. H. M. Roy, Court House, supt. highways.

Ill., Kewanee—Henry Co. plans grading, curbing and vibrolithic concrete, rein.-con., brick or Warrenite-bitulithic paving 5 blocks Park and Willow Sts. $30,000. J. G. Palmer, City Hall, engr.

Ill., Metropolis — Making preliminary plans grading, curbing and concrete, brick, or asphalt paving various streets. $400,000.

Ill., Monmouth—Plans removing old pavement and grading, curbing and vitr. brick on concrete paving 9,791 sq.yd. South Main St., Paving Dist. 77. $52,077. H. Tolberg, Court House, engr.

Ill., Monmouth—Warren Co. takes bids in February, spreading 600,000 gal. road oil on various roads. $40,000. C. L. McClanahan, Court House, engr.

Ill., Peoria — Peoria Co. takes bids in spring, grading, bridging and paving 2 mi. Mount Holly Rd., 18 ft. $60,000. W. E. Emory, Court House, engr.

Ill., Peoria — Peoria Co. plans grading, curbing and brick or concrete paving 3 blocks West Nebraska St. from North to Elizabeth Sts., and 6 blocks West Nebraska St. from Elizabeth to University Sts., 20-30 ft. $60,000. W. E. Backes, City Hall, engr.

Ia., West Liberty—Made plans paving approximately 55,000 sq.yd. various streets. To exceed $132,427.

Kan., Newton—Making preliminary plans brick on concrete paving various streets. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Wyoming — State Hy. Dept., Cheyenne, plans improving 13.75 mi. Federal Aid Project 190, Deepwater Co., $180,000; and 47.7 mi. Federal Aid Project 191, Sweetwater Co., $560,000.

Missouri — State Hy. Dept., Jefferson City, making plans grading 60.7 mi. roads in Andrew Daviess, De Kalb, Franklin, Howard, Pettis, Pike and Ralls Counties; 30 ft. grading 55.5 mi. roads in Gentry, Lafayette, Linn, Newton, Saline, Vernon and Wayne Counties; 18 ft. gravel surfacing 88.15 mi. roads in Audrain, Bates, Bollinger, Caldwell, Howard, Howell, Greene, St. Clair, Stone and Wayne Counties; 9 ft. concrete paving 19.2 mi. roads in Daviess and De Kalb Counties; 18 ft. concrete paving 40 mi. roads in Andrew, Franklin, Pettis, Pike and Ralls Counties; 18 ft. rock asphalt and 18 ft. **amiesite** paving 1.5 mi. roads in Howard Co. B. H. Piepmeier, ch. engr.

Mo., Webb City—Election about Mar. 10, $25,000 or more bonds paving various streets. Engineer not selected.

Tex., Abilene—Taylor Co. making plans grading and bridging 6.63 mi. State Highway 1-A, $28,000; also 11.58 mi. State Highway 1 from Sta. 984-00 to Station

See proposal advertisements on page 116, Advertising Section.

Streets and Roads (Continued)

1595-70, $25,000. L. C. McCanlies, Abilene, engr.

Tex., Austin — Travis Co., making plans grading, bridging and bituminous paving 6.7 mi. Del Valle-Garfield Rd. 18 ft., $36,735; also gravel, crushed rock and two course inverted penetration bituminous surfacing 13.85 mi. State Highway 29, 16 ft., $66,500. O. Leonard, Austin, co. engr.

Tex., Clairemont—Kent Co. made plans grading, bridging and bituminous macadam paving 17.378 mi. State Highway 83 from Clairemont to Garza Co. line, 18 ft. $325,000. L. M. Ferlet, Clairemont, co. engr.

Tex., Coleman — Coleman Co. making plans grading, hard paving, etc., 1.04 mi. Highway 23, 20 ft. $28,000. Address C. L. South, c/o Courthouse, judge.

Tex., Edinburg—Hidalgo Co. making plans graveling 55 mi. and hardsurfacing 159 mi. Monte Cristo, Weslaco, West Edinburg and East Edinburg Rds., South Mission Rd. to point near Madero, Jackson Rd. from intersection with Highway 12, Sharyland Blvd., etc., 16-18 ft. $3,500,000. P. S. Devine, Pharr, engr. Noted Jan. 7.

Tex., Henrietta—Clay Co. making plans concrete paving 7.14 mi. State Highway 5, Federal Aid Project 448-B, Unit 2, 18 ft. $260,000. D. M. Puckett, Henrietta, co. engr.

Tex., Port Arthur—Election soon $1,000,000 bonds permanent paving various streets. W. O. Bower, City Hall, engr.

Tex., Seymour—Baylor Co. making plans grading and bridging 20.58 mi. State Highway 24, Federal Aid Project 454-A. $120,000. J. G. Rollins, Seymour, engr.

Tex., Sweetwater—Nolan Co. soon takes bids double bituminous surface treatment on sledged stone, caliche and macadam paving 15.22 mi. State Highway 1, Federal Aid Project 444-B, Unit 2. $348,000. J. A. Focht, Sweetwater, engr. Noted Nov. 12.

Tex., Tulia — Voted $65,000 bonds permanent paving various streets. Devlin Eng. Co., 119 Central Bldg., Amarillo, engrs.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading, etc. 18 mi. Albert Pike Highway, 30 ft. $65,000. J. M. Page, highway engr.

Okla., Dover—Making preliminary plans grading, curbing, and concrete paving 9,000 sq.yd. Main St. $27,000. Engineer's name withheld.

Okla., Frederick — Voted $52,400 bonds vertical fibre brick paving 13,100 sq.yd. 7th and 9th Sts. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Heavener — Making preliminary plans grading and concrete paving 11,300 sq.yd. Main St. and Ave. C. $35,000. M. A. Stewart, mayor. Engineer not announced.

Okla., Hennessey—Plans grading, curbing and concrete paving 19,800 sq.yd. Main St. $68,350. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hobart—Making preliminary plans grading and concrete paving 9,740 sq.yd. South Main St., 40-30 ft. $29,250. V. V. Long, 1300 Colcord Bldg., Oklahoma City, engr.

Okla., Idabell—Making preliminary plans vertical fibre brick resurfacing 16,600 sq.yd. Main St. and Central Ave. $35,000. W. O. Campbell, city clk. Engineers name withheld.

Okla., Okarche — Making preliminary plans grading and concrete paving 9,400 sq.yd. Main St. $30,000. H. O'Reilly, mayor. Engineer not announced.

Idaho—State Hy. Dept., Boise, plans improving 2.739 mi. Federal Aid Project 79, Bannock Co. $123,000.

Oregon — State Hy. Dept., Salem, plans improving 11 mi. Federal Aid Project 126, Klamath Co. $87,000.

California—State Hy. Dept., Sacramento, plans constructing road to connect Maricopa, Kern Co. and Carpenteria, Santa Barbara Co. $2,000,000. Engineer not selected.

Calif., Berkeley — Plans paving 6th St. between University Ave. and Dwight Way, $50,000 or more; Sacramento St. between Dwight Way and south city limits, $75,000 or more; Alcatraz Ave. between Sacramento and Adeline Sts., $27,500; Euclid Ave. between Eunice and Regal Rd., $75,000 or more; Spruce St. between Cedar and Arch Sts., $70,000 or more; 7th St. between Dwight Way and Folger St., $80,000 or more; and portions of Berkeley Way, Walnut St., etc., to exceed $75,000. Noted Nov. 19.

Calif., Hermosa Beach — Making plans paving, etc. Camino Real from Pier Ave. to south city line. To exceed $75,000. Los Angeles Co. appropriates $30,000 toward cost. J. Rapier, city engr.

Calif., Oakland — Making plans paving, etc., Peralta St. from 7th St. to Emeryville city limits. $250,000. Alameda Co. appropriates $60,000 toward cost. W. W. Harmon, city engr.

Calif., Oceanside — Made preliminary plans paving, etc. various streets. $125,000 or more.

Calif., San Diego—Made plans improving 17th St. between F St. and Imperial Ave., 1,773 sq.ft. concrete sidewalk, 412 lin.ft. concrete curbing, 109,190 sq.ft. 1½ in. on 2½ in. asphaltic concrete paving, etc. F. A. Rhodes, city engr.

Calif., Santa Cruz—Made plans grading, concrete curbing, cement sidewalks, 5 in. concrete paving, etc. 124,426 sq.ft. Market St., Berkeley Way, etc. To exceed $25,000. J. K. James, city engr.

Ontario — Dept. Provincial Highways, Parliament Bldgs., Toronto, plans macadam, asphalt and concrete paving 131 mi. Kingston - Ottawa Highway. $2,000,000. R. M. Smith, 110 University Ave., Toronto, engr.

Ontario—Dept. Pub. Highways, Parliament Bldgs., Toronto, plans graveling and macadam paving 140 mi. road from Washago to North Bay. $1,000,000. R. M. Smith, 110 University Ave., Toronto engr.

Ont., Guelph — City Council plans concrete paving Yarmouth Rd. $35,000. H. S. Nicklin, City Hall, engr.

Ont., Toronto — City Council soon takes bids asphalt paving Close Ave., $8,816; also opening and grading lane between Millicent St. and Lappen Ave., $21,500. R. C. Harris, City Hall, engr.

Ont., Toronto — East York Twp. plans curbing, guttering and asphalt paving approximately 6,000 sq.yd. Danforth Ave. $25,000. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto—Scarboro Twp. plans grading, sidewalks and permanent paving 1 mi. new road on Victoria Park Ave. from Denton to Adrien Aves. $150,000. C. E. Fraser, 1361 Kingston Rd., engr.

Que., Quebec — Plans concrete, asphalt and macadam paving various streets during 1926. $150,000. F. C. Baillarge, Quebec, engr.

Que., Quebec—Plans extending 3,000 ft. Cote d'Albraham St. $125,000. F. C. Baillarge, Quebec, engr.

BIDS DESIRED

N. J., Belvidere—Feb. 10, by Bd. Freeholders Warren Co. grading, etc., 73,700 cu.yd. Yellow Frame-Blairstown Rd., in Frelinghuysen and Blairstown Twps. H. W. Vetter, Belvidere, co. engr.; adv. E. N.-R. Jan. 21.

W., Va., Harrisville — Feb. 5, by Court Ritchie Co., clearing, grading, etc. 41,400 cu.yd. Sect. B Staunton Pike, from Station 212-66 to bridge at Macfarlan.

Georgia — Jan. 29, by State Hy. Comn., East Point, grading, etc., 13.52 mi. Brunswick-Jacksonville Rd., State Aid Project 132-S, Camden Co., 5 mi. Lyons-Swainsboro Rd., Federal Aid Project 417-A, Emanuel Co., 2.4 mi. Eatonton-Gray Rd., Federal Aid Project 409-C, Putnam Co.; and clay gravel surfacing 1,876 cu.yd. Brunswick-Darien Rd., Federal Aid Project 195, Glyn and McIntosh Counties. W. R. Neel, highway comr.

Georgia—Jan. 29, by State Hy. Dept., Atlanta, clearing, grubbing and top soiling, etc., 7,744 cu.yd. Federal Aid Project 311-B, Elbert Co. W. R. Neel, East Point, engr.

Fla., Tampa — Jan. 29, Comrs. Hillsborough Co., paving, slag on rock surfacing in north Tampa Special Road and Bridge Dist. $200,000. A. B. Pimm, Court House, engr.

Alabama—Feb. 10, by State Hy. Dept., Montgomery, **(S. A. P. means State Aid Project and F. A. P. means Federal Aid Project)**, improving 10.9 mi. Tuscumbia-Decatur Rd., S.A.P. 101, Lawrence Co., 25.884 acres clearing and grubbing, 70,510 cu.yd. common and 1,000 cu.yd. solid rock excav., 6,792 yd. overhaul, 36,000 lb. reinforcing, 27,500 sq.yd. Bermuda sod, etc., 2.52 mi. Moulton-Russellville Rd., S.A.P. 125, Lawrence Co., 13.58 acres clearing and grubbing, 18,159 cu.yd. common and 100 cu.yd. solid rock excav., 5,476 yd. overhaul, 16,387 lb. reinforcing, 2,000 sq.yd. Bermuda sod, etc., 14.88 mi. Seale-Girard Rd., S.A.P. 50-B, Russell Co., 37.05 acres clearing and grubbing, 128,009 cu.yd. common and 200 cu.yd. solid rock excav., 63,347 lb. reinforcing, 45,000 sq.yd. Bermuda sod, etc., 19.41 mi. Tuscaloosa-Eutaw Rd., F.A.P. 150, Tuscaloosa and Greene Counties, 63.41 acres clearing and grubbing, 294,035 cu.yd. common and 300 cu.yd. solid rock excav., 33,819 yd. overhaul, 115,000 lb. reinforcing, 48,850 sq.yd. Bermuda sod, etc.; grading, and gravel surfacing, etc. 6,000 cu.yd. and concrete surfacing 3,444 sq.yd. in city of Camp Hill, S.A.P. 98-A, Tallapoosa Co. W. A. McCalla, highway engr.

Ala., Mobile — Feb. 8, by Mobile Bay Bridge Co., Meaher Bldg., asphaltic concrete or bitulithic on broken stone, gravel or slag surfacing on embankments for Mobile Bridge. Harrington, Howard & Ash, Kansas City, New York and Mobile, consult. engrs.; adv. E. N.-R. Jan. 21.

Louisiana—Feb. 9, by State Hy. Comn., Baton Rouge, repairing washouts 4.19 mi. Natchitoches-Leesville Highway, State Project 315 Sect. A-2, and 5.9 mi. Sect. E, same highway, Natchitoches Parish. W. B. Robert, Reymond Bldg., Baton Rouge, engr.

La., New Orleans — Mar. 23, by City Comrs., hardsurfacing 12 streets and graveling 16 streets. J. Klover, city engr.

Ind., Anderson—Feb. 15, by Comrs. Madison Co., Court House, concrete paving 1¼ mi., and curbing ½ mi. Nipher Rd., 7.28 ft. $65,000.

Ind., Anderson—Feb. 15, by City Comrs., curbing and concrete paving ¾ mi. Nobb St. from 23rd to 31st Sts., also 31st St., 30 ft. $52,800. M. H. Donney, city engr. Noted Dec. 3.

Ind., Anderson—Taking bids curbing and concrete paving 1½ mi. West 9th Ave. from Madison to Raible Aves., 30 ft. $68,000. M. H. Donney, Anderson, engr.

Ill., Blue Island—Feb. 2, by Bd. Local Impvts., V. B. Roberts, secy., grading, curbing and 7 in. concrete paving 69,452 sq.yd. various streets. V. B. Roberts, secy.; adv. E. N.-R. Jan. 21.

Ill., Elmwood—Jan. 27, by City, grading, curbing and paving, etc. Main St., 5,625 sq.yd. 6 in. concrete, 2,037 sq.yd. brick, asphalt filler on 5 in. concrete. F. M. Connolly, 428-31 Peoples Trust & Savings Bank Bldg., Galesburg, consult. engr.

Ill., Galesburg — Jan. 23, by Bd. Local Impvts., City Hall, grading, curbing, guttering and brick on concrete paving 14,606 sq.yd. Day St. from Mulberry to 4th Sts. $44,830. A. L. Richey, City Hall, engr.

Minnesota—Feb. 9, by State Hy. Dept., St. Paul, improving 20.7 mi. Moorhead-North Clay Co. line Rd., State Project 6-44, Federal Aid Project 349, 260,000 cu.yd. excav., two 30 ft. and one 20 ft. bridges, $60,000; also 23.5 mi. International Falls-Koochiching Co. line Rd., 364,240 cu.yd. excav., 60,000 cu.yd. ditching, one 75 ft. bridge and one 80 ft. special culvert, $80,000. Eng. Dept. State Highway Dept., engrs.

Minn., Stillwater—Feb. 2, by J. F. Kilty, aud. Washington Co., improving 2.6 mi. Bayport-Hudson Bridge Rd., Job 2601, 124,000 cu.yd. excav., 3,100 cu.yd. gravel, and 2,300 cu.yd. clay surfacing, etc.

Neb., Ord—Feb. 4, by City Clerk, brick, sheet asphalt, concrete, rein.-con. or asphaltic concrete paving approximately 7,500 sq.yd. various streets in Dist. 2. H. A. Davis, 116 East 13th St., Crete, engr.

Mo., St. Louis — Feb. 16, by Bd. Pub. Serv., 208 City Hall, granite curbing and brick paving 3,510 sq.yd. East Virginia St. $22,790, 2,705 sq.yd. Scott Ave. $20,000, 1,695 sq.yd. Wilson St. $10,150; concrete paving, etc. 5,660 sq.yd. McCune Ave. $28,200; Warrenite paving 14,410 sq.yd. Cass Ave. $36,000; asphaltic concrete paving 710 sq.yd. Dewey Ave. $4,650, 1,235 sq.yd. De Tonty St. $7,500, 1,300 sq.yd. Walnut St. $8,200; and 3,035 sq.yd. asphalt paving, etc. Walnut St. $20,000. W. W. Horner, 300 City Hall, engr.

Tex., Cleburne—Feb. 5, by C. H. Teesdale, engr., c/o City Hall, permanent paving about 8 blocks Buffalo St. from Harrell to West Chambers Sts., and College Ave. from Buffalo St. to Pendell Ave., for City. $35,000.

Tex., Liberty — Liberty Co. taking bids concrete and shell surfacing 34.54 mi. State Highway 3, Federal Aid Project 352, 16-18 ft. $450,000. C. R. Wilson, Court House, judge.

Tex., Tulia — Jan. 26, by J. H. O'Neall, mayor, grading and brick paving 46,363 sq.yd. various streets. $100,000. Devlin Eng. Co., Central Bldg., Amarillo, engrs.

Oklahoma—Feb. 2, by State Hy. Dept., Oklahoma City, grading 5 mi. Comanche-Stephens Co. line Rd., State Aid Project 252-C $30,000, and 5.7 mi. same road, Sect. D $33,000, both 30 ft., Stephens Co.; and concrete or rock asphalt surfacing 101,770 sq.yd. Guthrie-Edmond Rd., 18 ft., Logan Co., $280,000. J. M. Page, highway engr.

Calif., San Diego — Feb. 1, by Common Council, improving Pearl St., Girard Ave., etc., 220,858 sq.ft. 6 in. and 18,359 sq.ft. 5 in. concrete paving, 12,792 sq.ft. concrete sidewalks, etc.; also Brighton Ave., 138,929 sq.ft. 5 in. concrete paving, 2,152 lin.ft. concrete curbing, 15,465 sq.ft. concrete sidewalks, etc. F. A. Rhodes, city engr. Noted Dec. 17.

Calif., Ventura — See "Contracts Awarded."

See proposal advertisements on page 116, Advertising Section.

SEWER—CHICAGO, ILL.

Bids were opened by Sanitary District, Oct. 1, for constructing North Side Intercepting Sewer, Contr. No. 8, (A) Nash-Dowdle Co., 77 West Washington St. (awarded contract); (B) Carmine Roberts, 6921 Laflin St.; (C) T. J. Forschner Contracting Co., 3028 East 96th St.; (D) American Sewer & Drain Construction Co.; (E) G. Anderson, 11306 Parnell Ave. The unit bids are as follows:

	A	B	C	D	E
1,600 lin.ft. sewer 5 ft. internal width	$35.00	$48.00	$39.00	$50.00	$45.00
3,700 lin.ft. sewer 4 ft. internal width and 5 ft. internal height	32.00	40.00	43.50	70.00	52.00
1,300 lin.ft. sewer 4 ft. internal diameter, monolithic concrete	20.00	34.00	20.00	22.00	40.00
1,300 lin.ft. sewer 4 ft. internal diameter, reinforced concrete pipe	23.00	28.00	23.00	20.00	45.00
3,200 lin.ft. sewer 2 ft. 8 in. internal width	34.00	22.00	44.00	30.00	38.00
1,400 lin.ft. sewer 2 ft. 3 in. internal diameter, vitrified clay pipe	15.00	18.00	15.00	15.00	35.00
1,400 lin.ft. sewer 2 ft. 3 in. internal diameter, reinforced concrete pipe	16.00	15.00	16.00	16.00	36.00
Drop connection (lump sum)	5,000.00	250.00	5,000.00	2,400.00	7,300.00
Junction chamber (lump sum)	1,000.00	300.00	1,000.00	2,500.00	900.00
Boatway crossing (lump sum)	500.00	1,000.00	500.00	2,300.00	2,400.00
Railroad crossing (lump sum)	1,000.00	700.00	1,000.00	1,000.00	1,200.00
3 connection manholes	500.00	150.00	500.00	500.00	900.00
3 special manholes	600.00	150.00	600.00	1,000.00	800.00
300 lin.ft. standard manholes	15.00	11.25	15.00	15.00	35.00
3 catch basins	100.00	125.00	100.00	100.00	175.00
15,000 lb. reinforcing steel	.08	.10	.08	.06	.08
17,000 lb. iron castings and miscellaneous metals	.10	.10	.10	.15	.12
100 cu.yd. rock excavation	5.00	5.00	5.00	5.00	5.00
100 cu.yd. additional earth excavation, in tunnel	4.00	4.00	4.00	4.00	4.00
100 cu.yd. additional earth excavation, in open cut	3.00	3.00	3.00	3.00	3.00
100 cu.yd. additional concrete, class A, in tunnel	17.00	17.00	17.00	17.00	17.00
100 cu.yd. additional concrete, class A, in open cut	14.00	14.00	14.00	14.00	14.00
100 cu.yd. additional concrete, class B	12.00	12.00	12.00	12.00	12.00
Extended totals (items 3a and 5a)	$354,200	$380,200	$435,150	$511,050	$523,665

Streets and Roads (Continued)

Calif., Willows—Feb. 1, by City Trustees, grading, curbing, guttering and 2½ in. Warrenite-bitulithic surfacing, etc. Butte and Tehama Sts. To exceed $40,000. B. Knock, city engr. Noted Dec. 31.

BIDS RECEIVED

Louisiana — State Hy. Comn., Baton Rouge, Jan. 7, graveling 14.3 mi. Eunice-Elton Highway, Federal Aid Project 163A, Evangeline and Jefferson Parishes, from Meyer-Greenwald Constr. Co., Monroe, $98,466. Noted Dec. 24.

Ill., Highland Park—For 33,000 ft. 5 in. concrete sidewalks on various streets in Ravonia Highlands, from A. Jorgenson, 1051 Tanck Ave., Kenosha, Wis., $31,379. Noted Aug. 20.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Jan. 5, brick paving, etc., 1,695 yd. Wilson St., from Parkinson Bros., 3237 Carter Ave. $11,684; Kentucky rock asphalt paving, etc., 1,605 yd. Wellington Court, from Skrainka Constr. Co., Security Bldg., $8,800; asphaltic concrete paving, etc., 855 yd. Leamington St. and 2,270 yd. Humphrey St., from Webb-Boone Paving Co., 5103 Fyler Ave. $4,911 and $6,724 respectively; 2,105 yd. Humphrey St. and asphalt paving, etc., 16,230 yd. Nebraska St., from C. A. Moreno, Syndicate Trust Bldg., $8,146 and $55,254 respectively; Warrenite paving, etc., 13,110 yd. South Utah Pl. and 7,350 yd. Humphrey St., from Granite Bituminous Paving Co., Ry. Exch. Bldg., $56,000 and $31,050 respectively. Noted Dec. 17.

Tex., Austin — Travis Co., clearing, bridging and grading 5.345 mi. State Highway 29 A, Federal Aid Project 634, incl. 7,581 lb. reinforcing, from Smith-Boyette Co. masonry culverts $38,003, concrete culverts $38,701.

Tex., Dublin — Elrod Eng. Co., engrs., 3206 Elm St., Dallas, Jan. 5, paving with (a) 3 in. brick on gravel (b) 6 in. rein.-con. (c) 2½ in. brick on 5 in. concrete, from J. C. Field, State Natl. Bank Bldg., Denison, (a) $70,503 (b) $92,603; from J. McCarthy, Marshall, (c) $100,999. Noted Dec. 31.

Tex., Houston — Rock asphalt paving Dumble St. from Harrisburg Blvd. to Telephone Rd., from Uvalde Rock Asphalt Co., 829 Bankers Mortgage Bldg., $51,972.

Wash., Seattle—Bd. Pub. Wks., Jan. 8, from Paduano & Crimson, 1546 12th St. S., improving 8th Ave. N. E. et al., 10,800 sq.yd. two course concrete sidewalks at $1.28 per sq.yd., 25,250 cu.yd. excav. $0.38, etc., total $41,621.

Calif., Los Angeles—From P. J. Akmadzich, 821 Yale St., curbing, grading, guttering, concrete paving, etc., Edenhurst Ave. between Parkdale and Verdant Sts., $62,405; from C. W. Sparks, 142 North Commonwealth Ave., Prospect Ave. between Talmadge and Vermont Aves., 101,703 sq.ft. 7 in. concrete paving, etc. $0.21 per sq.ft., total $28,525; from G. H. Oswald, 366 East 58th St., 3rd St. between Harbor Blvd. and Pacific Ave., 148,831 sq.ft. asphaltic paving, etc. $0.235, total $78,750; also from Southern Pacific Constr. Co., 2813 Glendale Blvd., portion of North Sherman Way 243,705 sq.ft. concrete paving, etc. $0.1965 per ft., total approximately $53,500.

Calif., Los Angeles — Los Angeles Co., from H. E. Cox, Slavin Bldg., Pasadena, improving Palm Ave. Impvt. 320, 4.004 cu.yds. excav. $0.50 per cu.yd., 100,968 sq.ft. concrete paving $0.20, etc., total $30,872. Noted Dec 10.

Calif., Oakland—Supervs. Alameda Co., Jan. 11, roadways, walks, steps, walls, etc., at Highland Hospital, from Schuler & McDonald, 306 12th St., $219,970.

Calif., San Diego—Common Council, Jan. 11, from D. H. Ryan, 1615 Fern St., improving Muir Ave., 33,264 sq.ft. concrete sidewalk $0.16 per sq.ft., 6,200 lin.ft. 8 in. concrete curbing $0.60, 50 lin.ft. 6 in. concrete curbing $0.50, 125,593 sq.ft. 1½ in. asphaltic concrete on 3 in. bituminous paving, etc., $0.165, total $31,710. Noted Dec. 10.

Calif., San Rafael—Supervs. Marin Co., improving Fairfax Lane, Alder Way, etc., 84,704 sq.ft. 1½ in. Willite asphaltic concrete on asphaltic concrete paving, 5,840 sq.ft. 12 in. concrete curbing and guttering, etc., from Pacific States Constr. Co., Call Bldg., San Francisco, $38,610.

CONTRACTS AWARDED

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, to Uvalde Asphalt Co., 1 Bway., New York City, grading, curbing and permanent asphalt paving Autumn Ave. $4,892, East 18th St. $10,507, Newport St. $4,821, to Turecamo Contg. Co., 8706 Bay 12th St., 61st St. $6,673, 66th St. $7,588, and 82nd St. $10,018, to Borough Asphalt Co., 1301 Metropolitan Ave., 47th St. $1,634; to R. Lynster, 1364 Sterling Pl., grading, curbing and flagging Conklin Ave. $5,667, and Newport St. $2,390, to W. J. McHale, 1250 Jefferson St., 61st St. $3,908, to F. Persicano, 350 Fulton St., 66th St. $2,467, to C. Bennett Contg. Co., 414 Rutland Rd., 72nd St. $14,784, to Galco Contg. Co., 745 Dean St., 82nd St. $4,389. Grand total $79,738. Noted Jan. 14.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and curbing Clermont Ave., also grading and permanent sheet asphalt paving Chauncey St. to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $7,200 and $10,830 respectively; grading, curbing and sidewalks on Central Ave., to Peace Bros., Inc., 57 North Lawrence St., Flushing, $1,623; 73rd St., to O'Brien & Kurth, 8625 13th St., Jamaica, $7,840; and various avenues, to Kennedy & Smith, 93 Amity St., Flushing, $55,320. Grand total $82,873. Noted Jan. 7.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, one course rein.-con. paving 20,938 ft. R. 50, A. 3474, Somerset Co., to W. W. Harper Constr. Co., Franklin, W. Va., $160,414, 9,803 ft. A. 3327, Somerset Co., to Rudolph-Delano, 27 Pine St., Tamaqua, $85,992, 14,070 ft. R. 296, A. 3611 Susquehanna Co., to Lincoln Constr. Co., Strafford, $105,261, 11,785 ft. A. 3632, Unity Twp. Rd., Westmoreland Co., to M. Barber, Henry St., Binghamton, N. Y., $92,345, 37,604 ft. A. 3464, Unity-Exeter Twp. Rd., Berks Co., to W. B. Sheidy, Wyomissing, $319,762, and 27,345 ft. A. 3222, Maxatawny-Greenwich Rd., Berks Co., to A. Direnzo, 1019 Wood St., Bristol, $211,545; and grading 74,500 ft. R. 93, Sect. 1, Limestone-Watson Rd., Warren Ct., to Rood Constr. Co., Savings Bank Bldg., Butler, $315,014. Grand total $1,290,333. Noted Dec. 17.

North Carolina — State Hy. Dept., Raleigh, to Overstreet & Nance Constr. Corp., Bedford, Va., improving roads on Project 955, Jackson Co., 38,000 cu. common excav. and borrow $0.60 per cu.yd., 409,200 sq.yd. plain concrete $2.48, etc. total $298,512; to J. F. Mulligan Constr. Co., North Wilkesboro, 7.81 mi. Project 348, Cumberland Co., 15,000 cu.yd. drainage ditch excav. $0.35, 24,940 cu.yd. common excav. and borrow $0.45, 50,000 sta.yd. overhaul, $0.015 etc., total $29,077; to W. E. Graham, Mt. Ulla, 9.07 mi. Project 605, Alexander Co., 101,300 cu.yd. common excav. and borrow $0.37, 21,500 cu.yd. solid rock excav. $0.90, 56,300 sq.yd. 6 in. uniform plain concrete $2.45, etc. total $206,495, Grand total $534,084. Noted Dec. 24.

Fla., Eustis—City Council, paving 116,000 sq.yd. various streets, to French & Lambright, Marysville, Tenn., $405,725; grading 40,000 sq.yd., to W. M. Igou, Eustis, $24,000, more or less. Noted Dec. 3.

Fla., Sarasota—Asphalt block paving 40,000 sq.yds. various streets, to Crawford Paving Co., Sarasota, $175,000; sheet asphalt paving 12,000 yd., to W. J. Bryson Co., Sarasota, $36,000.

Ill., Macomb—McDonough Co. 400,000 to 500,000 gal. road oil on State Aid Highways, to Monarch Asphalt & Road Co., 1019 Peoples Life Bldg., Peoria, at $0.0635 per gal.

Ill., Peoria — Bd. Local Impvts., to A. Beihl, 1011 3rd St., grading, curbing and brick paving California Ave. from Nebraska to Frye Sts., $7,348, to J. W. Bushell, 1321 South Washington St., grading, curbing and asphalt paving East Republic St. from Wisconsin St. 2½ blocks west, $16,114, to E. Lehmann, 309 North Institute St., grading, curbing and concrete paving East Gift Ave. from Pacific Ave. 1⅛ blocks west $7,223, South Underhill St. from Bradley Ave. ½ block south $3,054, and grading, curbing and brick on concrete paving 5 blocks of Garden St., 35 ft. $34,664. Grand total $68,403. Noted Aug. 13, Sept. 3 and Dec. 10.

Ill., Rockford—Bd. Local Impvts., grading, curbing and vitr. brick on concrete paving 16 blocks North 2nd St., 30 ft., to A. E. Rutlege, Mead Bldg., $90,000. Engrs. est. $96,300. Noted Sept. 17.

Ill., Rockford—Bd. Local Impvts., grading, curbing and Warrenite paving 10 blocks Kilburn, North Horsman, North Winnebago and Mulberry Sts., 30 to 40 ft., to Northern Illinois Supply Co., Rockford. Engrs. est. $66,800. Noted July 23.

Ill., Rockford—Bd. Local Impvts., J. H. Hallstrom, pres., grading, curbing and Warrenite paving 16 blocks various streets, to Northern Illinois Supply Co., Rockford. Engrs. est. $142,900. Noted Sept. 10.

Kan., Garden City—Finney Co. improving 5.833 mi. Federal Aid Project 248-C, grading and surfacing, to O. Anderson, Garden City, $24,301; drainage structures, to Schultz Bros. Constr. Co., Parsons, $3,399. Noted Dec. 3.

Kan., Seneca — Nemaha Co., 7.386 mi. Federal Aid Project 225-B, Pikes Peak Ocean to Ocean Highway, to Monarch Eng. Co., Fall City, Neb., $49,814.

Kan., Wellington — Sumner Co. grading and sand clay surfacing 11.957 mi. Federal Aid Project 323-A and B 18 ft., to Schultz Constr. Co., Parsons, $76,791. Noted Oct. 1.

Tex., Albany — R. Dyess judge Shackleford Co., **(e. e. means engineers estimate)** to J. F. Dexter, North Texas Bldg. Dallas, improving 12.71 mi State Highway 1-A, Federal Aid Project 6, 130,035 sq.yd. triple bituminous surface t eatment, 130 036 sq.yd. bituminous macadam base, etc., $219,017 e. e. $189,000 8.18 mi. State Highway 1-A, Federal Aid Project 477-A, Unit 2, 86,921

See proposal advertisements on page 116, Advertising Section.

Streets and Roads (Continued)

sq.yd. bituminous macadam surface course, etc. $125,744 e. e. $59,000, 2½ in. bituminous macadam paving 17.59 mi. State Highway 23, State Aid Project 515, Unit 2, $95,671 e. e. $94,430. Grand total $440,532. Noted Dec. 31.

Tex., Breckenridge — J. W. Hill, judge Stephens Co., bridging and bituminous concrete on sledged stone paving, etc., 16.83 mi. highway from Breckenridge to Throckmorton Co. line, and 17.76 mi. State Highway 67, State Aid Project 640, both 18 ft., to L. W. Pelphrey & Co., Breckenridge, $510,830 and $429,114 respectively. Engrs. est. $585,600 and $502,200 respectively. Noted Jan. 7.

Tex., Crockett — L. L. Moore, judge Houston Co., grading and bridging 6.745 mi. State Highway 19, Federal Aid Project 485-C, to Cook & Arrington, Crockett, $26,-889. Engrs. est. $30 000. Noted Dec. 1.

Tex., Huntsville — Walker Co., clearing, grubbing, grading and bridging 18.01 mi. State Highway 32, Federal Aid Project 489, 26 ft., to Smith-Boyette Co., Bryan, $96,-703. Engrs. est. $114,900. Noted Dec. 24.

Tex., Jourdanton — F. V. Lanham, chn. State Hy. Comn., Austin, Sept. 11, grading and bridging, etc 9.09 mi. Highway 9, State Aid Project 627-B, 43,577 cu.yd. unclassified and 63,264 cu.yd. borrow excav., 31,671 lb. reinforcing, etc., to H. J. Evans, 500 West 15th St., Austin, $27,246, engrs. est. $33,-000; 8.37 mi. State Highway 9, State Aid Project 627-A, 46,999 cu.yd. unclassified and 27,694 cu.yd. borrow excav., 69,932 lb. reinforcing, etc., to H. Kyle, Hutto, $29,-035 engrs. est. $36,400 both in Atascosa Co. Noted Nov. 12.

Tex., Kingsville—Paving and sewers approximately 3 mi. Kleberg Ave., 3rd, Yoakum, King, 7th and 8th Sts., to W. L. Pearson & Co., 1st Natl. Bank Bldg., Houston, approximately $175,000. Engrs. est. $182,000.

Tex., Sanderson—Terrell Co., gravel surfacing 5.56 mi. State Highway 3, Federal Aid Project 324-C., to W. T. Montgomery, Alamo Bank Bldg., San Antonio, $34,107. Engrs. est. $73,000.

Arizona—State Engineer, Phoenix, grading, etc. Safford State Line Highway, Federal Aid Project 88-A, to G. W. Orr, Box 114 El Paso, Tex., $37,459; and Prescott-Ash Fork Highway, Federal Aid Project 62-B, to H. Galbraith, Jerome, $31,-007. Noted Dec. 24.

Ariz., Phoenix—H. Callahan, city clk., to Schmidt & Hitchcock, Phoenix, improving Westmoreland St. between 7th and 5th Aves. 2,276 sq.yd. paving Specification 26AA at $2.05 per sq.yd., 56 sq.yd. paving Specification 42-5 $2.15, 2,332 sq.yd. grading $0.35, 1,335 lin.ft. combined curb and gutter Det. "E" $1.48, 96 lin.ft. single curb Det. "F" $0.85, 84 lin.ft. single gutter Det "G" $0.95, etc.; and to Pacific Constr. Co., Natl. Bank of Arizona Bldg., improving 8th St. between Garfield and Roosevelt Sts., 1,107 sq.yd. paving Specification 26AA at $2.03 per sq.yd., 99 sq.yd. paving Specification 42-5 $2.10, 1,206 sq.yd. grading $0.35, 615 lin.ft. combined curb and gutter Det. "E" $1.47, 169 lin.ft. single curb Det. "F" $0.87, and 131 lin.ft. single gutter Det. "G" $0.97.

Calif., Huntington Beach—Grading, curbing, iron culverts, ornamental street lighting system, 5 in. Topeka on asphaltic concrete surfacing, etc., 13th St. between Palm and Ocean Aves., to G. M. Souter, 410 9th St., $47,260. Noted Dec. 24.

Calif., Los Angeles—Curbing, walks and concrete paving Hyatt Ave. between O and Grant Sts., also, curbing, guttering, walks, concrete paving, etc., K St. between Banning and Wilmington Sts., to Sully-Miller Co., 1500 West 7th St., Long Beach, $30,893 and $49,300 respectively. Noted Jan. 14.

Calif., Los Angeles — Los Angeles Co. curbing, guttering and paving Moneta Ave. between 93rd and Pacific Electric Ry. right-of-way, 270,607 sq.ft. 6 in. concrete base, 281,166 sq.ft. 2 in. asphaltic concrete top, to G. H. Oswald, 366 East 58th St., $109,347.

Calif., Mill Valley—W. Falley, town clk., grading, asphaltic concrete paving, etc. Cascade Dr., to Pacific States Constr. Co., Call Bldg., San Francisco, $64,395. Noted Jan. 14.

Calif., San Bernardino—For 4 and 6 in. concrete paving and 6- to 10-in. vitr. sewers in 19th St. between A and Wall Sts., to G. Herz & Co., 456 E St., $40,950.

Calif., San Diego — Common Council, grading, sidewalks warrenite on bituminous paving 240,543 sq.ft. Harrison Ave., 24th and N Sts, to Griffith Co., 25 14th St., $52,-676. Noted Jan. 14.

Calif., San Francisco—Paving, etc. Civic Center Plaza, to Reed & Reed, 180 Jessie St., $83,797. Noted Dec. 31.

Calif., Ventura—Ventura Co., will grade and pave, etc. 250,000 sq.ft. portions of Spear Rd., by force account. C. W. Petit, Ventura, co. surv. Noted Jan. 7.

Calif., Vernon—Curbing, walks and 8 in. asphaltic concrete paving 141,900 sq.ft. portion East 49th St., to Los Angeles Paving Co., 2900 Santa Fe Ave., Los Angeles, $39,150.

Buildings—Industrial

PROPOSED WORK

Mass., Amesbury — DYE HOUSE — Merrimack Hat Corp., Merrimack St., plans 2 story, brick and steel, Merrimack St. $50,000.

Mass., Boston — FACTORY — L. Jolles, 174 Lincoln St., had plans prepared by A. J. Carpenter, Massachusetts Hill Ave., Jamaica Plains, 5 story, brick and steel, Lincoln St. $50,000.

Mass., Quincy (Ind. br. Boston)—FACTORY—Pneumatic Scale Co., N. S. Ross, purch. agt., 65 Newport Ave., plans 3 story, brick and steel addition, Newport Ave. $50,-000. Engineer and architect not selected.

Conn., Hartford — REPAIR SHOP and GARAGE—Nirenstein & Schwartz, North Main St., having plans prepared by Berenson & Moses, 30 Allyn St., 1 story, 61 x 154 ft., rein.-con., brick and steel, North Main St. $40,000.

Conn., Torrington—FACTORY—Progressive Mfg. Co., 52 Norwood St., had plans prepared by W. E. Hunt, 182 Church St., 55 x 141 ft., brick and timber addition. $40,000.

N. Y., Buffalo — CEMENT PLANT — Buffalo Slag Co., Ellicott Sq. Bldg., plans cement plant. $2,000,000.

N. Y., New York—SUB-STATION—New York Edison Co., East 15th St., having plans prepared by W. Whitehill, 709 6th Ave., brick, steel and stone, plain foundation, 22 East 33rd St. $40,000.

N. J., Trenton—MACHINE SHOP, etc.—Essex Rubber Co., Beakes and May Sts., plans rebuilding machine shop, finishing and inspecting departments, recently destroyed by fire. $200,000. C. H. Oakley, pres. Engineer and architect not selected.

Pa., Phila.—MILL—Penrose Tapestry Co., Kinsey and Josephine Sts., soon lets contract 2 story and basement, 122 x 256 ft., rein.-con., brick and steel, plain foundation, Kensington Ave. and Buckins St. $250,000. Private plans.

Pa., Pittsburgh—PUBLISHING PLANT — Pittsburgh Press Publishing Co., 22 Oliver Ave., having plans prepared 160 x 240 ft. plant, 2nd Ave. and Short St. Private plans.

Fla., Davenport—CONCRETE PLANT—Davenport Lumber & Supply Co., Inc., H. H. Brenner, pres., plans (1st unit) 28 x 72 ft., and 65 x 137 ft. woodworking division, room for manufacturing cement products office, warehouse, etc.

Fla., Fulford—CEMENT PLANT—Kelbay Corp., 342 Madison Ave., New York City, N. Y plans cement block plant, 25,-000 daily capacity, here. $100,000.

Fla., Lakeland — ICE and COLD STORAGE PLANT — Lakeland Cold Storage Co., R. H. Alderman, pres., plans ice and cold storage plant. $125,000.

Ala., Gadsden—WAREHOUSES—A. and J Stove Mfg. Co., plans 50 x 150 ft. and 40 x 150 ft., brick warehouses.

Miss., Vicksburg—ICE PLANT—City Ice Co. having plans prepared by J. L. Blackwell, Vicksburg, brick and concrete ice plant. $50,000.

La., Morgan City — PULP and PAPER MILL — Dixie Pulp & Paper Corp., Union Indemnity Bldg., New Orleans, plans pulp and paper mill, near here. E. G. Simmons, Union Indemnity Bldg., New Orleans, vice-pres. and genl. mgr.

Ky., Louisville — HYDRO-ELECTRIC PLANT — Kentucky Hydro-Electric Co. having plans prepared by L. F. Harza, 53 West Van Buren St., Chicago, Ill., 2,000 kw. hydro-electric plant, at Lock 7, on Kentucky River.

O., Cleveland — FACTORY — Cleveland Automobile Co., c/o J. J. Krall, secy.-treas., London Rd., had plans prepared by E. McGeorge, engr. and archt., 3030 Euclid Ave., 1 story, 120 x 180 ft., brick and steel addition. $100,000.

O., Cleveland—FACTORY—W. S. Tyler Co., 3613 Superior Ave., had plans prepared by G. S. Rider Co., Century Bldg., 6 story and basement, 82 x 118 ft., rein.-con., brick and steel, Superior Ave. $300,-000.

O., Irondale—PLANT—F. J. Dando plans rebuilding plant, recently destroyed by fire. $75,000.

O., Toledo—FACTORY—Champion Spark Plug Co., Avondale and Upton Sts., J. A. Stranahan, pres., plans 6 story factory addition.

Ill., Chicago — FACTORY — A. S. Alschuler, archt., 28 East Jackson Blvd., takes bids about Jan. 25, 6 story and basement, 87 x 100 ft., brick and stone factory, and altering adjoining structure, Superior and Sedgwick Sts., for Peanut Specialty Co., 242 West Superior St. Noted Dec. 31.

Ill., Chicago — MANUFACTURING — F. Mayer, Parkway Hotel, having sketches made by L. G. Hallberg & Co., 116 South Michigan Ave., 8 story and basement, 150 x 200 ft., rein.-con. and brick, 613-701 South Clinton St. $500,000.

Ill., Chicago—FACTORY—Olson Rug Co., 28 South Laflin St., having plans prepared by J. E. Davidson, 53 West Jackson Blvd., 6 story and basement, 82 x 135 ft. addition, 14-20 South Laflin St.

Wis., Antigo—CHEESE FACTORY and CREAMERY—D. D. Korth, R. F. D., plans 2 story, brick and tile, plain foundation, near here. $40,000. Engineer and architect not selected.

Wis., Madison — MILL — Way Building Co., c/o W. Way, 20 North Orchard St., plans brick, tile and timber, plain foundation, Orchard St. $40,000. Engineer and architect not selected.

Wis., Madison — REPAIR SHOP — R. Mitchell, 635 Williamson St., having plans prepared by F. L. Kronenberg, Carroll Bldg., 2 story, 50 x 150 ft., brick, tile and rein.-con., Williamson St. $50,000.

Wis., Mineral Point — CANNERY — Mineral Point Canning Co., c/o W. H. Carrell and A. A. Schnurr, plans 2 story, brick and timber, plain foundation cannery, here. $50,000. Engineer and architect not selected.

Wis., St. Nazianz—POWER PLANT and LAUNDRY — See "Buildings—Educational, Religious."

Ia., Oskaloosa—BRICK PLANT—Standard Clay Products Co., T. J. Neiswanger, supt., plans 1 story and basement, brick addition. $50,000. Private plans.

Missouri — COLD STORAGE — Missouri Farmers Assn., Inc., Columbia, H. A. Cowden, secy., making preliminary plans 2 story and basement cold storage plant. $150,000.

Mo., Jackson — SHOE FACTORY — International Shoe Co., 1501 Washington Ave., St. Louis, making preliminary plans 2 story, brick and concrete top addition. $65,000.

Mo., Kansas City — GARAGE and MACHINE SHOP — H. F. Hoffman, Trenton, plans 2 story and basement 57 x 150 ft. garage and machine shop, 36th St. and Bway. Private plans.

Mo., Kansas City — DISTRIBUTING PLANT — Sun Oil Co., 524 South Cheyenne St., Tulsa, Okla., A. M. Ballard, sales mgr., plans distributing plant, here. $200,-000.

Tex., Amarillo — COTTON SEED OIL MILL—H. W. Allen, Shamrock, purchased 10 acre site and plans rein.-con., brick, tile and stone, plain foundation. $250,000. Private plans.

Tex., Denison — PAPER PLANT — Denison Herald Publishing Co., c/o J. L. Green, bus. mgr., plans new rein.-con. and brick plant. $45,000. Engineer and architect not selected.

Tex., Junction — PLANT — West Texas Utility Co., Abilene, purchased plant and making surveys enlarging same, here. $40,-000 or more. Private plans.

Tex., Kenedy — ICE PLANT — Texas Central Power Co., c/o Frost Bank Bldg., San Antonio, plans wrecking present 18 ton plant and construct new 30 ton plant, here. $50,000. Private plans.

Tex., Kerrville—WOOLEN MILL—Stock Co., c/o O. E. Salter, having surveys made permanent construction woolen mill. $200,-000 or more.

Okla., Enid — CREAMERY — Armour & Co., 208 South La Salle St., Chicago, Ill., having preliminary plans prepared 2 story and basement, 96 x 164 ft., brick, plain foundation, here. $160,000. Engineer and architect's names withheld.

Wash., Seattle—FACTORY—J. Graham, archt., Dexter Horton Bldg., takes bids about Mar. 11, 5 story and basement, 100 x 200 ft., rein.-con. factory, for Best Universal Lock Co., 1121 Post St. $250,000.

Calif., Fresno—MACHINE SHOP, etc.—Southern Pacific Ry. Co., 65 Market St., San Francisco, plans round house, machine shop, switching facilities, ice plant. $1,500,000 or more. Eng. Dept. of Owners, engrs.

Calif., Hayward — SUB-STATION — Pacific Gas & Electric Co., 245 Market St., San Francisco, plans sub-station, here. $150,000. Eng. Dept. of Owners, engrs.

Calif., Isleton — FACTORY — Isleton Canning Co., J. S. Warmington, mgr., plans 1 story, 150 x 250 ft. factory.

See proposal advertisements on page 116, Advertising Section.

Buildings—Industrial (Continued)

Calif., Isleton — PACKING PLANT — California Co-Operative Canneries, 230 California St., San Francisco, plans packing plant, here. $250,000.

Calif., Los Angeles — FACTORY — Advance Auto Body Wks., 515 Mission Rd., having plans prepared by H. E. Bean, Central Bldg., 2 story, 125 x 156 ft., and 30 x 40 ft. separate building, Macy St. and Mission Rd. $100,000 or more.

Calif., Los Angeles — FACTORY — Angelus Furniture Mfg. Co., 931 East Pico St., having plans prepared by C. J. Smale, 509 South Western Ave., 2 story, 177 x 504 ft., brick, East Pico St. $150,000.

Calif., Manteca—SUB-STATION—Pacific Gas & Electric Co., 245 Market St., San Francisco, plans sub-station, here. $250,000. Eng. Dept. of Owners, engrs.

Calif., Redwood City—SUB-STATION—Pacific Gas & Electric Co., 245 Market St., San Francisco, plans sub-station here. $175,000. Eng. Dept. of Owners, engrs.

Calif., Salinas—SUB-STATION—Pacific Gas & Electric Co., 245 Market St., San Francisco, plans sub-station, here. $125,000. Eng. Dept. of Owners, engrs.

Calif., San Carlos—FACTORY—California Concrete Products Co., Inc., Sunnyvale, plans concrete building tile, etc. factory, here. $40,000 or more.

Calif., San Mateo — SUB-STATION — Pacific Gas & Electric Co., 245 Market St., San Francisco, plans sub-station here. $165,000. Eng. Dept. of Owners, engrs.

Que., Hull—GENERATING STATION—Canadian International Paper Co., Three Rivers and Hull, had plans prepared generating station and concrete dam in Ottawa River, near here. $3,000,000. O. Lefevre, Montreal, engr.

Ont., Port Arthur—NEWSPRINT PLANT—Thunder Bay Paper Co. Ltd., having plans prepared 100 tons daily capacity, rein.-con., brick and steel, caisson foundation. $1,000,000. Private plans.

BIDS DESIRED

Pa., Chester—MILL—Feb. 1, by Heckman & Lemaistre, archts., Bellevue Court Bldg., Phila., 53 x 992 ft. winding building, 58 x 300 ft. weaving building, 56 x 134 ft. finishing building, each 2 story and basement, also 1 story and basement, 43 x 100 ft. bleaching building, all rein.-con. and brick additions, plain foundations, here, for Chester Lace Mills, 2nd and Clayton Sts.

Pa., Pittsburgh—DYEING and CLEANING PLANT—Crandall-McKenzie Co., Jenkins Arcade, taking bids 2 story and basement, irregular shaped, brick and hollow tile, Spencer St. $40,000. Private plans.

Pa., Pittsburgh — DAIRY PLANT — Shadyside Dairy Co. and McCormick Co., archts., South Negley Ave., taking bids 1 and 2 story and basement, irregular shaped, brick and steel, Dennison Ave. $50,000.

Ind., Indianapolis—SUB-STATION—Merchants Heat & Light Co., Meridian and Washington Aves., taking bids 6 story, 100 x 125 ft., brick, steel and rein.-con. substation. $100,000. C. Brossman, 1503 Merchants Bank Bldg., engr.

Mich., Detroit—SERVICE—Jan. 23, by A. Kahn, archt., 1000 Marquette Bldg., 2 story (ultimately 4 story) and basement, 131 x 147 ft., rein.-con. and brick, plain foundation, Hague Ave., for Packard Motor Co., East Grand Blvd. $150,000.

Wis., Elcho — GARAGE and REPAIR SHOP—C. W. Fish taking bids 1 story, 52 x 100 ft., concrete and stone, plain foundation. $50,000. Wolf, Sexton, Harper & Treaux, 7 West Madison St., Chicago, Ill., archts.

Ia., Marshalltown—PLANT—See "Contracts Awarded."

N. D., Fargo — PRINTING PLANT — Fargo Forum plans 2 story and basement, 75 x 140 ft., rein.-con. and brick, 5th St. and 1st Ave., N. $85,000.

Tex., San Angelo — ICE PLANT — See "Contracts Awarded."

Sask., Moose Jaw—PACKING PLANT—See "Contracts Awarded."

CONTRACTS AWARDED

Pa., Pittsburgh—MANUFACTURING—Lustro Coated Sheet Co., 1312 Sheffield St., general contract 1 story, 100 x 200 ft., Ridge Ave., to Austin Co., Union Trust Bldg. Archts. est. $500,000. Noted Jan. 14.

Va., Richmond—FACTORY—Liggett & Myers Tobacco Co., Inc., 212 5th Ave., New York City, 5 story, rein.-con. and steel addition, plain foundation, 7th St., here, to Wise Granite & Constr. Co., Amer. Bank Bldg.

W. Va., Huntington—PLANT—International Nickel Co., Guyan River Rd., general contract two 65 x 275 ft. building additions, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O.

SEWER—CHICAGO, ILL.

Bids were opened by Sanitary District of Chicago for North Side Intercepting Sewer, Contract No. 7 (lowest four and highest), (A) American Sewer & Drain Construction Co., Kenilworth and Central Park Aves., Niles Center, Ill. (awarded contract); (B) T. J. Forschner Contracting Co., 3028 East 96th St.; (C) Nash-Dowdle Co., 77 West Washington St.; (D) Ranieri & Morley, 4901 Altgeld St.; (E) Chicago Foundation Co., 76 West Monroe St. The unit bids are as follows:

	A	B	C	D	E
2,900 lin.ft. sewer, 6-ft. internal width	$69.00	$76.00	$65.00	$75.00	$83.30
4,000 lin.ft. sewer, 4-ft. internal width	43.00	56.00	56.00	60.00	69.00
Junction chamber (lump sum)	1,500.00	2,300.00	40,000.00	1,500.00	1,500.00
200 lin.ft. manholes	15.00	35.00	20.00	25.00	15.00
22,000 lb. reinforcing steel	.08	.08	.10	.03½	.08
7,000 lb. iron castings and miscellaneous metals	.10	.12	.12	.03	.11
100 cu.yd. rock excavation	5.00	5.00	5.00	5.00	5.00
100 cu.yd. additional earth excavation, in tunnel	4.00	4.00	4.00	4.00	4.00
100 cu.yd. additional earth excavation, in open cut	3.00	3.00	3.00	3.00	3.00
100 cu.yd. additional concrete, Class A, in tunnel	17.00	17.00	17.00	17.00	17.00
100 cu.yd. additional concrete, Class A, in open cut	14.00	14.00	14.00	14.00	14.00
100 cu.yd. additional concrete, Class B	12.00	12.00	12.00	12.00	12.00
Extended totals	$384,560	$461,800	$465,040	$470,425	$530,100

Md., Conowingo — POWER PLANT — Stone & Webster, 120 Bway., New York City, N. Y., sublet contracts for excavation, dam, etc., here, to Arundel Corp., Pier 2, Pratt St., Baltimore, for Susquehanna Power Co., (owned by Phila. Electric Co., 20th and Chestnut Sts., Phila. Pa.) Approximately $20,000,000. Noted Mar. 5.

Fla., Tampa—WATER HEATER PLANT—Solar Water Heater Co., (1st unit) 100 x 100 ft. plant, to Logan Bros., 918 Citizens Bank Bldg., approximately $60,000. Engineer and architect not announced.

Ala., Mobile — MANUFACTURING — Kahn Mfg. Co., St. Louis St., plant addition, to G. A. Chamblin & Son, St. Joseph St., $60,000.

Ala., Montgomery—ICE PLANT—Independent Ice Co., J. W. Hunter, secy., 115 North Lawrence St., Plant 2, to S. O. Estest Co., 23 Adam St. Engrs. est. $200,000. Noted Oct. 29.

Tenn., Chattanooga—FACTORY—Corley Mfg. Co., 1901 Williams St., 90 x 200 ft., 30 x 60 ft., and 40 x 50 ft., rein.-con. and steel buildings, to Buenner & Cannon, Frazier St., $30,000. Noted Dec. 17.

O., Cleveland—BOILER HOUSE—Amer. Steel & Wire Co., Rockefeller Bldg., steel contract 4 story and basement, 98 x 139 ft., concrete, brick and steel, Bway., to Amer. Bridge Co., Frick Bldg., Pittsburgh, Pa. Archts. est. $200,000.

O., Cleveland—FACTORY—Dill Mfg. Co., A. E. Bronson, secy., 694 East 82nd St., 4 story and basement, 46 x 80 ft., brick and steel addition, to J. C. F. Shafer Co., Smythe Bldg. Archts. est. $50,000.

O., Cleveland — FOUNDRY and MACHINE SHOP — Morgan Brass Co., L. Stern, secy., 2104 Woodland Ave., 1 story, 100 x 200 ft., brick and steel, 9115 George Ave., to J. Baskin, 9215 Parkgate Ave. Archts. est. $75,000. Noted Nov. 19.

Ind., Terre Haute — SUB-STATION — Indiana Electric Corp., 2701 South 8th St., brick, steel and rein.-con. addition to Lenore sub-station, plain foundation, to Stone & Webster, 147 Milk St., Boston, Mass. Engrs. est. $250,000.

Mich., Detroit — STOCK BUILDING — Hudson Motor Car Co., 12601 East Jefferson Ave., 1 story, 150 x 340 ft. stock building with craneway addition, Jefferson Ave., to H. G. Christman Co., 315 Stevens Bldg. Noted Sept. 24.

Mich., Detroit—SWITCHING STATIONS—Pub. Lighting Comn., 174 East Atwater St., Switching Stations, A, B and C, each 2 story and basement, 64 x 89 ft., 55 ft. high, rein.-con., brick and steel, in connection with Morrell St. power plant, to W. H. Mueller, 2210 Park Ave., $373,000. Noted Dec. 17.

Mich., Detroit—GARAGE and SERVICE—Weston & Ellington, engrs. and archts., 1507 Stroh Bldg., 3 story and basement, 160 x 198 ft., rein.-con., brick and steel, plain foundation, Sixth and Noble Sts., to Walbridge & Alldinger Co., 2356 Penobscot Bldg., for Detroit City Gas Co., Clifford and Bagley Aves. Archts. est. $150,000. Noted Oct. 22.

Ill., Chicago—PAINT FACTORY—Wadsworth Howland Co., 225 North Carpenter St., general contract 6 story and basement, 111 x 163 ft., brick and stone, Northwestern Ave. and Pan Handle Ry. tracks, to H. F. Friedstedt Co., 431 North Michigan Ave. Archts. est. $150,000.

Wis., Kenosha—DAIRY—Guernsey Co-Operative Milk Co., 1208 Salem Ave., 1 and 2 story and basement, 60 x 70 ft., brick and concrete, plain foundatino, Huron St., to K. P. Knudsen, 473 Pomeroy St. Archts. est. $45,000.

Wis., Milwaukee—FACTORY—A. L. Seidenschwartz, archt., 290 3rd St., superstructure 1 story, 76 x 200 ft., brick and timber, Port Washington Rd., to Lupinski & Wolff, 82 Wisconsin Ave., for Plastic Products Co., 123 Reservoir Ave. Noted Dec. 24.

Wis., Milwaukee — ENGINE-BLOWER HOUSE—Red Star Yeast & Products Co., 79 Buffalo St., 2 story, 52 x 70 ft., brick, concrete and steel addition, plain foundation, 27th St., to Universal Constr. Co., 915 Chestnut St. Archts. est. $50,000.

Ia., Marshalltown — PLANT — Marshalltown Mfg. Co., F. M. Farber, mgr. and secy., will build 3 story, 60 x 75 ft. addition, by day labor.

Ia., Newton—GREY IRON FOUNDRY—Maytag Co., 1 story and basement, 190 x 280 ft., brick and concrete addition, to Lanning Bros., Oskaloosa.

Mo., Sedalia—RECLAMATION PLANT—See "Railways."

Tex., San Angelo—ICE PLANT—M. D. and W. F. Kennemer, will build brick and concrete, 50 ton capacity North Chadbourne St., by day labor. $100,000. Private plans.

Ore., St. Helens — PAPER MILL — St. Helens Paper & Pulp Co., 2 story, 80 x 300 ft. paper mill, to A. Gutherie & Co., Sherlock Bldg., Portland. Engrs. est. $500,000.

Calif., San Francisco — PRINTING PLANT — T. Ronneberg, engr., Crocker Bldg., 3 story, rein.-con., Sansome St. near Green St., to Cahill Bros., 55 New Montgomery St., for Sunset Publishing Co. Approximately $155,500. Noted Dec. 31.

Sask., Moose Jaw—PACKING PLANT—Swift Canadian Co. Ltd., Winnipeg, Man., will repair and remodel plant, here, by day labor. $90,000.

Buildings—Commercial

PROPOSED WORK

Mass., Dorchester (Boston P. O.)—HOSPITAL—Boston Hospital for Incurables, 2049 Dorchester Ave., having preliminary plans prepared by Kendall Taylor Co., 142 Berkeley St., Boston, new hospital. $250,000.

R. I., Edgewood (sta. Providence) — TEMPLE—Building Com. Harmony Lodge Masons, having plans prepared by Jackson, Robertson & Adams, 1216 Turks Head Bldg., Providence, brick and steel, Norwood Ave. $200,000.

R. I., Providence — BANK — Morris Plan Co., Canal St., having plans prepared by Jackson, Robertson & Adams, 1216 Turks Head Bldg., brick, steel and stone, Canal St. $200,000.

R. I., Providence—MARKET—Owner, c/o W. S. Sweet, pres. Fruit & Produce Assn., having plans prepared by T. J. Hill Pierce, Inc., 30 Allens Ave., 3 or 4 buildings, 2 main buildings, 90 x 600 ft., and 90 x 700 ft., brick and steel, incl. stores, garage, refrigeration plant, club, etc., Allens Ave. $2,500,000.

Conn., Middletown — HOSPITAL — State Hospital for Insane, F. M. Salmon, comptroller, State House, Hartford, having plans prepared by W. P. Crabtree, 272 Main St., New Britain, brick and steel additions to group of buildings, here. $150,000 or more. Noted July 9.

Conn., New Haven — BANK — Union & New Haven Trust Co., 57 Church St., having plans prepared by Cross & Cross, 681 Fifth Ave., New York City, brick, steel and stone, Elm and Church Sts. To exceed $150,000.

Conn., Norwich—ADMINISTRATION—Norwich State Sanitarium having plans prepared by A. Thompson, Norwich, and

See proposal advertisements on page 116, Advertising Section.

Buildings—Commercial (Continued)

takes bids in February, administration building. $150,000. Noted Nov. 5.

N. Y., Albany — APARTMENT — J. J. Finn, 74 Northern Blvd., plans 6 story, 68 x 90 ft., rein.-con. and brick, plain foundation, Stanvix St. $150,000. Private plans.

N. Y., Albany—OFFICE—Press Co., 18 Beaver St., had plans prepared by M. T. Reynolds, engr. and archt., 100 State St., 3 story, 100 x 150 ft., rein.-con., brick and steel, plain foundation, Eagle St. $300,000.

N. Y., Buffalo—STORE and OFFICE—A. Victor & Co., 514 Main St., plans 10 story store and office building, West Genesee St. To exceed $500,000.

N. Y., Lockport—Y. M. C. A. having preliminary plans prepared 190 x 200 ft., rein.-con. and brick building. $500,000.

N. Y., New York — APARTMENT — Westhome Realty Corp., c/o G. G. Miller, engr. and archt., 1482 Bway., having plans prepared 6 story, brick, steel and stone, plain foundation, Park Ave. and 184th St. $300,000.

N. Y., New York—APARTMENT—Park Ave. Leasing Corp., c/o G. L. Miller, engr. and archt., 1482 Bway., having plans prepared 15 story, brick, steel and stone, plain foundation, 100 West 58th St. $2,000,000.

N. Y., New York — APARTMENT — Dwellers Building Corp., c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Allerton Ave. $250,000.

N. Y., New York—HOTEL—Ansonia Hotel, Bway. and 74th St., plans brick, steel and stone addition, plain foundation. $250,000. Engineer and architect not selected.

N. Y., Queens (Ind. br. Jamaica) — APARTMENT — W. Levine, c/o B. Driesler, engr. and archt., 153 Remsen St., Brooklyn, having plans prepared 4 story, 100 x 140 ft., brick, steel and stone, plain foundation, Roosevelt Ave.

N. J., Union — THEATRE — J. Stern Theatrical Enterprises, c/o W. E. Lehman, engr. and archt., Broad St., Newark, having plans prepared brick, steel and stone, plain foundation, here. $200,000.

Pa., Homestead — BANK — Monongahela Trust Co., 8th and Ann Sts., having plans prepared by A. G. Wickerham, archt., and Hopkins & Dentz, associated archts., 415 Lexington Ave., New York City, N. Y., for bank, 7th and Amity Sts. $500,000.

Pa., Phila.—BANK and OFFICE—Provident Trust Co., 409 Chestnut St., having plans prepared by Rankin, Kellogg & Crane, 1805 Walnut St., bank and office, 17th and Chestnut Sts.

Pa., Phila.—HOSPITAL—Mt. Sinai Hospital, 1429 South 5th St., having plans prepared by Magaziner, Eberhard & Harris, 603 Chestnut St., 4 and 8 story and basement, hospital buildings.

Pa., Phila.—Stadium, etc.—University of Pennsylvania, 34th and Spruce Sts., having preliminary plans prepared by Day & Klauder, Franklin Bank Bldg., 1 and 2 story, 277 x 343 ft., rein.-con. and brick indoor stadium and gymnasium, plain foundation, 33rd and South Sts. $400,000.

Pa., Phila.—STORE—W. L. Charr, archt., Victory Bldg., preparing plans 4 story and basement, 35 x 115 ft., rein.-con., brick and steel, plain foundation, 136-38 South St. Owner's name withheld.

Pa., Pittsburgh—THEATRE—Rowland & Clarke, Inc., State Theatre Bldg., having plans prepared by V. A. Rigamount, State Theatre Bldg., 2 story and basement, 180 x 200 ft., Penn Ave. between Beatty and Euclid Sts. $300,000.

Pa., Wilkinsburg—THEATRE—Rowland & Clarke, Inc., State Theatre Bldg., Pittsburgh, having plans prepared by V. A. Rigamount, State Theatre Bldg., Pittsburgh, and soon takes bids 2 story and basement theatre, Penn Ave. and Wood St. $250,000.

N. C., Albemarle — COURT HOUSE — Stanley Co. election in February $250,000 bonds, court house. Noted April 2.

N. C., Asheville — CITY HALL — Plans new city hall. $150,000. J. H. Cathey, mayor. C. Brown, chn. building com.

N. C., Winston-Salem—WAREHOUSE—R. J. Reynolds Tobacco Co., plans 5 story, 224 x 240 ft., rein.-con. warehouse, north of 5th St. $400,000.

Ga., Atlanta—CITY HALL—Plans election in March or April $1,000,000 bonds, new city hall. W. Sims, mayor. Noted Oct. 15.

Ga., Atlanta — OFFICE and STORE — Whitehead Realty Co., Candler Bldg., had plans prepared by Pringle & Smith, Atlanta Trust Co. Bldg., 10 story, 50 x 100 ft., rein.-con., brick and steel, Peachtree St. between Harris and Cain Sts. $314,000. Barge & Thompson Co., 100 East Ellis St., engrs.

Ga., Atlanta—THEATRE—A. F. Winecoff, Austell Bldg., having plans prepared by R. C. Snow, Bona Allen Bldg., 3 story 120 x 130 ft., rein.-con., brick and steel, 509 Peachtree St. $300,000. Griffin Hodges Co., Bona Allen Bldg., engrs.

Fla., Ft. Lauderdale — HOTEL — U. S. Realty Co., c/o Plaza Hotel, 5th Ave. and 59th St., New York City, N. Y., having preliminary plans prepared by Cass Gilbert, 244 Madison Ave., New York City, N. Y., 900 room hotel, here. $6,000,000.

Fla., Homestead—HOTEL—W. D. Horne and associates, plan hotel, North Krome Ave. $300,000.

Fla., Jacksonville—HOTEL—R. Kloeppell and associates, purchased site and plan hotel, West Adams and Julia Sts. $1,500,000. Marsh & Saxelbye, West Bldg., archts,

Fla., Sarasota—HOTEL—United Hotels Corp. of Sarasota purchased site and plans (1st unit) 12 story hotel. $400,000.

La., Lafayette — COURT HOUSE — Lafayette Parish Police Jury having plans prepared by J. W. Smith, Monroe, court house. $300,000. Noted Jan. 14.

Tenn., Bristol — HOTEL — Shelby Hotel Corp., plans 8 story and basement, 51 x 125 ft. rein.-con. hotel. Engineer and architect not selected.

O., Akron — WAREHOUSE — Firestone Tire Rubber Co., 1289 South Main St., plans new fabric warehouse. $200,000.

O., Hamilton—HOSPITAL—Mercy Hospital Assn. having plans prepared by G. Barkman, 4 story and basement, 85 x 195 ft. wings, concrete, brick and steel, Dayton St. $650,000.

O., Lakewood (br. Cleveland)—APARTMENT — J. T. Fritsche, 2193 McKinley Ave., plans 2 and 3 story, brick, Clifton Blvd. at Sloan and Kenilworth Aves. $225,000. Private plans.

O., Zanesville — COMMERCIAL and THEATRE — Brown Theatrical Co., O. Brown, pres., had preliminary plans prepared by Lockwood, Greene & Co., engrs. and archts., Hanna Bldg., Cleveland, 1 story, brick, steel and concrete commercial and theatre building. $200,000.

O., Youngstown — GARAGE and SERVICE STATION — F. G. King, pres. J. H. Fitch Co., having plans prepared by M. W. Scheibel, Realty Bldg., 5 story and basement, 63 x 250 ft., brick and rein.-con., Wick Ave. $400,000. Shanks & Foster, 6007 Euclid Ave., Cleveland, structural engrs. Noted Nov. 26.

Ind., Seymour—BANK—First Natl. Bank, having plans prepared by McGuire & Shook, Pythian Bldg., Indianapolis, 2 story and basement, 40 x 132 ft., brick, steel and rein.-con., concrete pile foundation. $160,000.

Mich., Detroit—OFFICE—Detroit Trust Co., West Fort St., having plans prepared 2 story and basement, 100 x 138 ft., rein.-con., brick and steel addition, plain foundation. $250,000. Engineer and architect names withheld.

Ill., Chicago — HOTEL — R. C. Harris, archt., 190 North State St., soon lets contract 15 story and basement, 50 x 100 ft., rein.-con., brick and stone, 17-19 East Ohio St., for A. Strunk, 69 Bellevue Pl. $725,000.

Ill., East St. Louis—HOTEL, etc.—C. E. Richardson et al., International Life Bldg., St. Louis, Mo., plans 2 large buildings, one hotel and apartment and other, office and store, on old brewery site, 10th and State Sts., here. Engineer and architect not selected.

Ill., Waukegan—BANK and OFFICE—A. S. Alschuler, archt., 28 East Jackson Blvd., takes bids about Jan. 25, 6 story and basement, 63 x 90 ft., brick and stone, Washington St., for Security Savings & Trust Co., Waukegan. Noted Jan. 7.

Wis., Baraboo—HOTEL—Warren Hotel, L. Hill, mgr., plans 4 story, brick, rein.-con., and steel addition. $150,000. Engineer and architect not selected.

Wis., Kenosha—CLUBHOUSE—F. O. E. Lodge 1055, J. Hermann, secy., East Wisconsin St., plans 2 story and basement, brick and concrete addition, plain foundation. $150,000. Engineer and architect not selected.

Wis., Kenosha — THEATRE — Saxe Amusement Enterprises, 530 Grand Ave., Milwaukee, having preliminary plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., brick, concrete and terra cotta, plain foundation, Market St. $500,000.

Wis., Manitowoc — HOTEL — Hotel Williams, W. Seibel, proprietor, South 8th St., having plans prepared by Barkhausen & Logemann, 79 Wisconsin St., Milwaukee, 4 story and basement, 92 x 100 ft., brick, steel and concrete addition, plain foundation. $200,000.

Wis., Milwaukee — APARTMENT — J. Topzant, archt., 144 Oneida St., takes bids about Feb. 1, (2 units) each 3 story and basement, 43 x 161 ft., brick and tile, plain foundation, Sycamore and 24th Sts., for Goodsitt & Helfaer, 4609 North Ave. $275,000. Noted Dec. 3.

Wis., Milwaukee — OFFICE — R. T. Maischoss, 477 Menlo Blvd., having competitive sketches made 120 x 120 ft., brick and concrete or brick and steel, plain foundation, Bway. and Wisconsin St. Engineer and architect not selected.

Ia., Council Bluffs—HOTEL—Syndicate, c/o M. A. Tinley, doctor, plans hotel Ave. and Pearl Sts. $400,000. Engineer and architect not selected.

Minn., Minneapolis—STORE and APARTMENT—H. Shanedling, vice-pres. Shanedling Dept. Stores, Inc., 3409 Lyndale Ave. S., plans 3 story and basement, rein.-con. and brick, 4th St. S. E. and 13th-14th Aves. $150,000. Engineer and architect not announced.

Minn., St. Paul — GARAGE — Twin City Rapid Transit Co., 533 Wabasha St., having plans prepared several story and basement, rein.-con., and brick, 3rd and St. Peters Sts. $500,000. Private plans.

Kan., Wichita—APARTMENT—H. Hoofman, 1145 Coolidge Ave., having plans prepared 10 story and basement, 126 x 229 ft., brick and rein.-con. apartment. $500,000. Engineer and architect not selected.

Nebraska — THEATRES—World Realty Co., 1506 Douglas St., Omaha, plans 15 brick theatres in various cities, one at 29th and Leavenworth Sts., Omaha, one at Fremont, one at Columbus, and one at Hastings, etc. $100,000 each.

Neb., Omaha — CONVENTION HALL — Ak Sar Ben, Court House, plans 2 story and basement convention hall, Ak Sar Ben Field. $300,000. Engineer and architect not selected.

Neb., Omaha—MERCANTILE—T. Kilpatrick Co., 1511 Douglas St., having plans prepared by G. B. Prinz, Omaha Natl. Bank Bldg., 6 story and basement, 45 x 132 ft., brick, 1513 Douglas St. $300,000.

Mo., Kansas City — HOSPITAL — City making preliminary plans hospital. $1,200,000. Engineer and architect not selected.

Mo., St. Louis—WHOLESALE—Butler Building Co., c/o Butler Bros., 18th and Olive Sts., making preliminary plans rein.-con. and brick, approximately 750,000 ft. (ultimately 1,000,000 ft.) floor space. $3,000,000.

Ark., Hot Springs — HOTEL — J. W. Howe, et al., c/o Rockefellow Hotel, Hot Springs National Park, having plans prepared by Sanders & Ginnocchio, Hall Bldg., Little Rock, 6 story and basement, 60 x 110 ft., rein.-con., brick, steel and terra cotta, Central and Canyon Sts. $250,000. Noted Dec. 31.

Tex., Greenville—BANK and OFFICE—Greenville Natl. Exchange Bank, J. B. Clayton, pres. purchased site and plans 6 story and basement, 46 x 108 ft., rein.-con., brick and stone, plain foundation. $175,000.

Tex., Houston — HOTEL — Terminal Investment Co., c/o J. H. Crooker, 1202-10 State Natl. Bank Bldg., having plans prepared by J. R. Bailey, 1606 Main St. and takes bids about Feb. 10, 10 story, 125 x 250 ft., rein.-con., brick and steel, Texas Ave., Crawford and La Branch Sts. $800,000.

Tex., San Angelo—HOTEL—F. Roberts purchased site and making preliminary plans about 6 story and basement, rein.-con., brick, tile and stone, plain foundation. $150,000. Private plans.

Tex., San Benito—HOTEL—Hockenbury System, Inc., 200 North 3rd St., Harrisburg, Pa., plans 5 story and basement, rein.-con., brick and stone, plain foundation, here. $175,000. Private plans.

Okla., Bartlesville—CLUB—Bartlesville Country Club Assn. having plans prepared by E. B. Delk, 59th St. and Ward Parkway, 2 story and part basement, timber club. $150,000.

Okla., Oklahoma City—AUTO HOTEL—Reinhardt & Donovan, Tradesman Natl. Bank Bldg., plans 5 story and basement, rein.-con. auto hotel. Private plans.

Okla., Oklahoma City—OFFICE—Architects Assn., c/o H. Reynolds, archt., Terminal Bldg., having preliminary plans prepared 6 story and basement, 100 x 140 ft., rein.-con. and steel, plain foundation, 3rd St. $250,000.

Okla., Ponca City — OFFICE — Marland Oil Co., had plans prepared, 8 story and basement, 100 x 170 ft., rein.-con. and brick, plain foundation. $500,000. V. T. Moon, Ponca City, engr. Architect not selected.

Okla., Ponca City—WAREHOUSE and MILL—Ponca City Milling Co. had plans prepared 6 story, 73 x 300 ft. new warehouse and mill, also grain elevator, rein.-con., plain foundation, Central St. $200,000. Horner & Wyatt, Bd. of Trade Bldg., Kansas City, Mo., engrs.

See proposal advertisements on page 116, Advertising Section.

Buildings—Commercial (Continued)

Colo., Denver—HOSPITAL—Jewish Consumptives Relief Society, 5801 West Colfax Ave., having plans prepared by Fisher & Fisher, U. S. Natl. Bank Bldg., 4 story, 53 x 206 ft. womens pavilion, rein.-con., brick and steel, West Colfax St. and Colorado Blvd. $400,000.

Colo., Denver — OFFICE — Bosworth Chanute Building Co., 701 17th St., having plans prepared by Fisher & Fisher, U. S. Natl. Bank Bldg., 12 story and basement, 50 x 125 ft., rein.-con. steel, etc., 17th and California Sts. $500,000.

Colo., Denver — SOCIAL SERVICE — Y. W. C. A., 1545 Glenarm St., having plans prepared by Fisher & Fisher, U. S. Natl. Bank Bldg., 5 story and basement, 100 x 125 ft., fireproof, Tremont St. between 15th and 16th Sts. $500,000.

Colo., Denver — THEATRE — C. K. Boettcher & J. Evans, 828 17th St. having plans prepared by W. N. Bowman, Insurance Bldg., 6 story, 125 x 160 ft., rein.-con., brick and steel, 16th and Glenarm Sts. $750,000. Famous Players-Lasky Corp., 1625 Court Pl., lessee.

Ariz., Phoenix — HOTEL — Consolidated Hotels Corp., c/o H. L. Stevens, Co., 433 California St., San Francisco, Calif., plans approximately 12 story and basement, 150 x 275 ft., fireproof hotel, here. $500,000 or more.

Ore., Salem—BANK and OFFICE—First Natl. Bank having plans prepared by L. L. Dougan, Western Bond & Mortgage Bldg., Portland, 10 story, 46 x 102 ft., rein.-con. and terra cotta, State and Liberty Sts. $300,000. Noted Nov. 26.

California — HOSPITAL — City of San Francisco and San Francisco Co. purchased site and plans group tubercular preventorium buildings, rein.-con., near Pulgas tunnel, San Mateo Co. To exceed $1,000,000 incl. roads, etc. H. H. Meyers, Kohl Bldg., San Francisco, archt.

Calif., Alhambra—APARTMENT—Starrett & Payne, archts., Western Mutual Life Bldg., Los Angeles, soon take bids 5 story and basement, 90 x 171 ft., rein.-con., South Garfield Ave., for Community Hotel Co. of Alhambra, c/o architects. Noted Dec. 31.

Calif., Berkeley — THEATRE, STORE and OFFICE — Beach Krahn Theatres, Inc., M. I. Diggs, 244 Lake Dr. Blvd., Oakland, had plans prepared by J. A. Marshall, 5658 College Ave., Berkeley, Class "A," College and Claremont Aves. $250,000. Noted June 25.

Calif., El Centro — HOTEL — Barbara Worth Hotel, having plans prepared by Walker & Eisen, Great Republic Bldg., Los Angeles, 6 story and basement addition.

Calif., Fresno—COURT HOUSE—Fresno Co. plans election $350,000 bonds, court house annex. Noted Oct. 22.

Calif., Fresno—HOSPITAL—Fresno Co. plans election $150,000 bonds, tubercular hospital. Noted Oct. 22.

Calif., Los Angeles—HOTEL—C. F. DeLong, 107 South Irving Blvd., had plans prepared by M. E. Durfee, 505 Commercial Exch. Bldg., 10 story and basement, 110 x 147 ft., timber and rein.-con., 620 South Flower St. To exceed $150,000.

Calif., Los Angeles—STORE and OFFICE—Paulus & Hartfield, c/o Walker & Eisen, archts., Great Republic Bldg., having plans prepared 2 story, 145 x 185 ft., probably rein.-con., Bway. and Temple Sts. $150,000.

Calif., Los Angeles — STORE — Meyer-Seigel & Co., 617 South Bway., had plans prepared by Felchin, Shaw & Franklin, Commercial Exch. Bldg., 6 story and basement, 60 x 152 ft., rein.-con. and steel, Flower St. $250,000 or more.

Calif., Los Angeles — STORE and OFFICE — W. Crittenden having preliminary plans prepared by J. Cooper, Rives-Strong Bldg., 12 story and basement, 100 x 175 ft., rein.-con., Main and 10th Sts.

Calif., Los Angeles—STORE and OFFICE—H. Shapiro, had plans prepared by J. M. Haenke, Rives-Strong Bldg., 5 story and basement, 95 x 125 ft., rein.-con., Sunset Blvd. and Reservoir St. $150,000.

Calif., Los Angeles — THEATRE — J. P. Perrine, archt., Lincoln Bldg., soon takes bids 2 story and basement, fireproof, 26th and Pasadena Aves., for West Coast Theatres, Inc. $150,000.

Calif., Oakland — APARTMENT — Sommarstrom Bros., c/o C. N. Burrell, archts., 250 Grand Ave., had plans prepared 5 story and basement, brick and steel, Bay Pl. $200,000. Noted Dec. 31.

Calif., Oakland — LODGE — C. Werner, archt., Santa Fe Bldg., San Francisco, soon takes bids steel and rein.-con., Oak St. facing Lake Merritt, for Masonic Cathedral Assn. of Oakland. $1,000,000.

Calif., Oakland—THEATRE, STORE and OFFICE — J. A. Marshall, archt., 5658 College Ave., Berkeley, preparing plans rein.-con., Park Blvd., here. $150,000. Owner's name withheld.

Calif., San Diego—STORE and LOFT—H. L. Benbough Furniture Co., 1177 5th Ave., plans 6 story and basement, fireproof, 4th and B Sts. $250,000.

Calif., San Francisco—HOSPITAL—Shea & Shea, archts., 454 Montgomery St., takes bids about Jan. 19, 5 story and basement, rein.-con. annex, Stanyan, Grove, Schrader, and Hayes Sts., for St. Marys Hospital. $800,000. Coddington & Duncan, Phelan Bldg., engrs. Noted Oct. 22.

Calif., San Francisco — STORE — Weinstein Co., 1041 Market St., having plans prepared by W. Knowles, Hearst Bldg., 2 story, fireproof addition, Market St. near 7th Ave. $500,000.

Calif., San Francisco — THEATRE — Ackerman & Harris, Phelan Bldg., plan Class "A," 1,600 seating capacity, San Bruno Ave. $250,000.

Calif., Santa Barbara — ADMINISTRATION—State Building Comn., Sacramento, had plans prepared by G. B. McDougall, Forum Bldg., Sacramento, 2 story, Spanish type administration building, here. $150,000.

Calif., Santa Barbara—COURT HOUSE—Santa Barbara Co. having plans prepared by W. Mooser, Nevada Bank Bldg., San Francisco, fireproof court house. $600,000 bond election soon. Noted Dec. 3.

Calif., Santa Barbara — RECREATION CENTER — Margaret Baylor Inn, having revised plans prepared by J. Morgan, Merchants Exch. Bldg., San Francisco.

Calif., Ventura—LODGE and STORE—Masonic Lodge Assn. had plans prepared by C. C. Rittenhouse, Wilcox Bldg., Los Angeles, 3 story, fireproof construction. $150,000.

Que., Montreal—BANK—Royal Bank of Canada, St. James St., having plans prepared by York & Sawyer, engrs. and archts., 10 East 42nd St., New York City, N. Y., 16 story, steel and stone, St. Peter and St. James Sts., $1,000,000.

Ont., Fort William — HOTEL — J. McCranor, c/o Avenue Hotel, plans 3 story and basement, rein.-con., brick and steel addition plain foundation. $150,000.

Ont., Walkerville — HOSPITAL — Essex Border Utilities Comn., Murray Bldg., Windsor, plans 3 story and basement, rein.-con., brick and steel, plain foundation, here. $300,000. J. C. & Keith, Murray Bldg., Windsor, engr.

BIDS DESIRED

Mass., Hyannis — HOTEL — See "Contracts Awarded."

Mass., Malden (br. Boston) — APARTMENT — See "Contracts Awarded."

R. I., Pawtucket—HOME—Jan. 28, by B. P. O. E., 3 story, 82 x 150 ft., brick and steel, Exchange and Montgomery Sts. $150,000. O'Malley & Fitzsimmons, 84 Broad St., archts. Noted Jan. 14.

Conn., Hamden (br. New Haven) — THEATRE, OFFICE and STORE — Fishman Bros., 826 Dixwell Ave., New Haven, taking bids 2 story, 76 x 130 ft., brick and steel, Dixwell St., here. $150,000. C. H. Abramowitz, 42 Church St., New Haven, archt. Noted Dec. 24.

N. Y., Brooklyn — APARTMENTS — See "Contracts Awarded."

N. Y., Jamaica — APARTMENT — See "Contracts Awarded."

N. Y., New York—APARTMENTS—See "Contracts Awarded."

N. Y., West Haverstraw—HOSPITAL—Mar. 4, by State Hospital Comn., Albany, isolation building, nurses home, etc. at State Orthopedic Hospital, here. S. W. Jones, Capitol, Albany, archt.

N. J., Trenton—HOSPITAL, etc.—Feb. 8, by Bd. Institutions & Agencies, W. J. Ellis, acting comr., nurses home, physicians house, psychopathic and convalescent buildings, etc. at New Jersey State Hospital. $768,000. A. B. Mills, State Office Bldg., archt.

Pa., Butler—AUDITORIUM, etc.—Butler Fair Grounds Assn., E. A. Gibson, Younkens Bldg., taking bids 1 story, 48 x 320 ft. auditorium, etc. $150,000. Private plans. Noted Nov. 19.

Pa., Phila. — THEATRE — Jan. 25, by Boyd, Abel & Gugert, archts., Otis Bldg., 1 story and basement, 60 x 195 ft., rein.-con., brick and steel, plain foundation, Ogontz Ave. south of Chelton St., for Golden Bros., 1552 Germantown Ave. $175,000.

Fla., Tampa—HOSPITAL—Jan. 26, by City Council, new hospital in Marjory Park, Davis Islands. $1,000,000. Stevens & Lee, Boston, Mass., archt. L. M. Elliott, Citizens Bank Bldg., supervising archt. Noted Feb. 19.

La., New Orleans—BANK and OFFICE—Feb. 20, by E. Weil, archt., Whitney Bldg., 18 story, rein.-con., limestone and steel, on 110 x 235 ft. site, Common St., for Canal Bank & Trust Co. $4,000,000. Noted Aug. 6.

O., Cleveland Heights (Warrensville P. O.)—APARTMENT—Feb. 2, by Euclid-Overbrook Co., c/o F. Riley, Hanna Bldg., Cleveland, 4 story and basement, brick, Cedar Rd. near Euclid Heights Blvd., here. $400,000. A. W. Harris, Guarantee Title Bldg., Cleveland, archt. Noted Jan. 7.

Ill., Chicago—APARTMENT—McNally & Quinn, archts., 6 South La Salle St., and Quinn & Christensen, associated archts., 360 North Michigan Ave., taking bids 15 story and basement, 100 x 166 ft., rein.-con. and brick, 424 Melrose St., for W. C. Bannerman & Co., 77 West Washington St. $2,100,000.

Wis., Oshkosh—OFFICE—Jan. 28, by Wisconsin Natl. Insurance Co., 14 Washington St., and Auler & Jensen, archts., F. R. A. Bldg., 3 story and basement, 77 x 100 ft., stone and concrete, plain foundation. $200,000. Noted Nov. 12.

Ia., Des Moines—TEMPLE—Jan. 30, by Scottish Rite Temple Assn., W. Koch, chn., 6 story and basement, 114 x 162 ft., rein.-con., brick, stone, granite and steel, 6th and Park Sts. $600,000. Eng. Serv. Co., 620 Securities Bldg., engrs. Wetherall & Harrison, 1012 L. & J. Bldg., and Keffer & Jones, 204 Masonic Temple Bldg., archts. Noted Dec. 17.

Mo., St. Louis—HOME—La Beaume & Klein, archts., Compton Bldg., taking bids and open same about Jan. 22, 3 story and basement, 134 x 180 ft., rein.-con., brick and stone, Locust and Beaumont Sts., for Womens Christian Home, 1815 Washington Ave.

Mo., St. Louis—MORGUE—Feb. 16, by Bd. Pub. Serv., 208 City Hall, 1 and 2 story, 88 x 130 ft., rein.-con., brick and terra cotta, Clark Ave. $200,000. L. R. Bowen, 301 City Hall, engr. and archt. H. Updike, 301 City Hall, engr. Former bids rejected. Noted Sept. 24.

Wash., Zenith—INSTITUTION—Feb. 1, by Heath, Gove & Bell, archts., Pacific Savings Bank, Tacoma, 5 story, 30,000 sq.ft. floor space, fireproof building, here.

EXCAVATION, GRADING, ETC.—WHITE PLAINS, N. Y.

Bids were opened by Westchester County Park Comn., 72 West Pondfield Rd., Bronxville, for excavating, grading and drainage structures Silver Lake Parkway Dr. from Westchester Ave., to Hancock St., (A) Yonkers Contracting Co., 923 Nepperhan Ave., Yonkers (awarded contract); (B) Carofano Construction Co., First National Bank Bldg., Mt. Vernon; (C) W. F. Carey Co., Inc., 25 Broad St., N. Y.; E. Murolo, Thompson, Conn., $67,808; J. Palladino, Inc., 4179 Park Ave., New York, $72,155; Peckham Road Corp., White Plains, $72,750; Romaniello Contracting Co., New Rochelle, $95,900; Daly & Merritt, Inc., Port Chester, $98,420. The unit bids are as follows:

	A	B	C
13,000 cu.yd. stripping and storing top soil	$0.90	$1.00	$1.00
16,000 cu.yd. earth excavation	.45	1.00	.90
200 cu.yd. rock excavation	2.50	3.00	2.50
500 cu.yd. trenching	1.25	1.50	.75
350 cu.yd trench refill	.50	.01	.50
35,000 cu.yd embankment	.60	.59	.85
350 lin.ft. 8 in. porous tile underdrains	2.00	1.00	.75
260 lin.ft. 12 in. vitrified pipe, alt. A	1.00	1.00	1.00
260 lin.ft. 12 in. concrete pipe, alt. B	.75	1.00	1.50
180 lin.ft. 24 in. vitrified pipe, alt. A	4.00	4.25	3.00
180 lin.ft. 24 in. concrete pipe, alt. B	3.25	4.25	3.50
200 bbl. portland cement	3.25	3.50	3.25
80 cu.yd. concrete class A	17.00	18.00	18.00
50 cu.yd. rubble masonry	15.00	16.00	12.50
5,000 lb. reinforcing steel	.06	.06	.06
100 lin.ft. 12 in. reinforced concrete pipe	2.25	1.25	1.75
80 lin.ft. 24 in. reinforced concrete pipe	5.00	4.25	3.50
240 lin.ft. 36 in. reinforced concrete pipe	7.00	8.00	8.00
Extended totals alt. B	$48,245	$58,003	$64,872

See proposal advertisements on page 116, Advertising Section.

Buildings—Commercial (Continued)

for Washington State Masonic Home. $600,000.

Calif., San Jose — STORE and LOFT — Ashley & Evers, archts., Holbrook Bldg., San Francisco, taking bids 3 story, rein.-con., South 1st St., for Trinkler-Dohrmann Co., c/o architects. $150,000. Noted Oct. 29.

T. H., Honolulu—J. Morgan, archt., Merchants Exch. Bldg., San Francisco, Calif., taking bids 3 story and basement, rein.-con. with swimming pool, for Y. W. C. A., here. $300,000.

BIDS RECEIVED

Conn., New Haven — TEMPLE — Olive Branch Masons, 909 Whalley Ave., Nov. 18, 2 story and basement, 70 x 120 ft. brick and steel, from J. N. Leonard Co., 902 Chapel St., about $100,000. Noted Oct. 29.

Ia., Iowa City — MEMORIAL — Iowa Memorial Union Assn., Dec. 29, general contract (2nd unit) 3 story and basement, 55 x 136 ft., rein.-con., brick and stone, State University campus, from J. Hunzinger, Security Bldg., Davenport, $183,343.

Calif., Los Angeles—CLUB—P. R. Williams, archt., Stock Exch. Bldg., 4 story and basement, 100 x 100 ft., rein.-con., 28th St. and Paloma Ave., from W. Slater Co., 2314 Santa Fe Ave., for Y. M. C. A. Approximately $150,500. Noted Jan. 14.

Calif., Pasadena — CITY HALL — City Directors, Jan. 4, 3 story and basement, 50 x 352 ft. main section 100 x 100 ft. dome, 200 ft. high and two 63 x 188 ft. wings, brick, steel and rein.-con. city hall, from Orndorff Constr. Co., 351 North Western Ave., Los Angeles, approximately $652,000. Noted Dec. 10.

CONTRACTS AWARDED

N. H. Nashua—STORE—C. H. Avery Co., 50 Factory St., 5 story and basement, 75 x 95 ft., brick, to D. F. Holt & Son, 112 Vine St. Archts. est. $175,000. Noted Dec. 17.

Mass., Hyannis—HOTEL—H. T. Collette, c/o H. A. Lewis, archt., 75 Westminster St., Providence, will build 3 story and basement, brick and stucco hotel. $150,000. Work will be done by separate contracts. Noted Dec. 17.

Mass., Malden (br. Boston) — APARTMENT — Medford Real Estate Co., 69 Ashford St., Medford, will build brick apartment, 213-219 Main St., here, by day labor. $150,000. Private plans.

N. Y., Bronxville (Ind. br. Yonkers)—OFFICE—Lawrence Realty Co., c/o Walker & Gillette, engrs. and archts., 128 East 37th St., New York City, 2 story, 150 x 200 ft., brick, steel and stone, plain foundation, Station Plaza, here, to Cuzzi Bros., 10 South 2nd Ave., Mt. Vernon. Archts. est. $200,000. Noted Dec. 17.

N. Y., Brooklyn — APARTMENTS — S. Ageloff, c/o B. Drieser, engr. and archt., 153 Remsen St., will build 6 story, 80 x 100 ft., Willoughby and Throop Aves., also 5 story, 80 x 100 ft., Hart St. and Throop Ave., both brick, steel and stone, plain foundations. Work will be done by separate contracts.

N. Y., Brooklyn—BANK and OFFICE—City Savings Bank, 1 Lafayette Ave., altering, brick, steel and stone, plain foundation, Lafayette Ave., to W. Kennedy Constr. Co., 215 Montague St. Archts. est. $225,000.

N. Y., Buffalo—MARKET—Commissioner Parks & Buildings, City Hall, rein.-con., brick and steel, Baily Ave., to F. C. Hanssel, Ellicott Sq. Bldg., $226,000. Noted Jan. 7.

N. Y., Jamaica—APARTMENT—Dickel Constr. Co., c/o Shampan & Shampan, engrs. and archts., 188 Montague St., Brooklyn, will build 100 x 200 ft., brick, steel and stone, plain foundation, Jamaica Ave. and 77th St., by day labor. $500,000.

N. Y., New York—APARTMENT—Duo Building Corp., c/o G. G. Miller, engr. and archt., 1482 Bway., will build brick, steel and stone, plain foundation, Washington Ave. and 180th St., by day labor. $300,000.

N. Y., New York — APARTMENTS — Silberk Realty Corp., c/o I. L. Cransman, engr. and archt., 370 East 149th St., will build 5 story, 88 x 100 ft., 184th St. near Park Ave., also 5 story, 187th St. near Washington Ave., both brick, steel and stone, plain foundations, by day labor. $175,000 each.

N. J., Newark—OFFICE—Newark Professional Building Co., 126 Clinton Ave., D. Kraker, pres., 10 story, brick, steel and stone, plain foundation, Lincoln Park, to H. Kruvant, 222 Clinton Ave. Archts. est. $500,000.

Pa., Chester — THEATRE and APARTMENT — C. S. Adams, archt., 2038 Spruce St., 4 story and basement, 140 x 150 ft., rein.-con., brick and steel, 3rd and Central Sts., to J. P. Hallahan, 2315 Walnut St. Archts. est. $500,000. Owner's name withheld. Noted Nov. 19.

Pa., Lewistown—BANK—Russell Natl. Bank, East Market and Brown Sts., S. B. Russell, pres., 1 story and basement, 31 x 135 ft., brick, stone and granite, East Market St., to Central Constr. Co., 206 Pine St., Harrisburg. Archts. est. $150,000. Noted May 5.

Pa., Phila. — CLUB and HOTEL — Emergency Aid of Pennsylvania, J. W. Martin, secy., 21st and Walnut Sts., 14 story and basement, 54 x 85 ft., rein.-con., brick and steel, plain foundation, 20th and Sansom Sts., to Wark Co., 1600 Walnut St. Archts. est. $850,000.

Pa., Phila. — EXHIBITION — Textile Imperial Exhibit Assn., 533 Chestnut St., 1 story, octagonal, 840 ft. diam., Palace of Fashion, stucco and steel, wood pile foundation, Broad and Pattison Sts., to Barras Constr. Co., 366 Madison Ave., New York City, N. Y.

Pa., Scranton—Y. W. C. A., 4 story and basement, 80 x 160 ft., brick and stone addition, incl. swimming pool, to M. C. Tuttle Co., 862 Park Square Bldg., Boston, Mass.

Pa., Sharon—STORE and APARTMENT—E. E. Anderson, general contract 4 story and basement, irregular shaped store and apartment, to A. Wishart & Sons, Sharon. Archts. est. $150,000.

Md., Baltimore — GARAGE — Lake Dr. Garage Co., c/o G. S. Childs, archt., 306 St. Paul St., 2 story, 100 x 212 ft., rein.-con. and brick, plain foundation, Madison Ave. and Whitelock St., to B. F. Bennett Building Co., 123 South Howard St., $150,000.

La., New Orleans — OFFICE — W. E. Spink, archt., Canal-Commercial Bldg., superstructure Pere Marquette Bldg., 18 story, brick and terra cotta, Baronne and Common Sts., to Ferro Constr. Co., 3rd and Elm Sts., Cincinnati, O., for Chicago Syndicate incl. E. M. Loeb, J. S. Joy, et al. $858,500. Noted Dec. 24.

O., Cleveland — GARAGE — A. A. Kerr, 1301 Chester Ave., 5 story and basement, 100 x 130 ft., rein.-con. and brick, East 12th St., to Crowell & Littel Constr. Co., Hanna Bldg. Archts. est. $300,000.

O., Dayton—CLUB—Fraternal Order of Eagles, H. W. Osler, treas., 320 South Main St., 2 story, 75 x 120 ft., brick and rein.-con., plain foundation, South Main St., to Industrial Building Co., Reibold Bldg., $175,000.

Ind., Richmond—THEATRE——M. Remley Corp., 2 story and basement, 70 x 160 ft., rein.-con., brick and steel, concrete pile foundation, to United Studios Co., 28 West Lake St., Chicago. $150,000, cost plus percentage basis. Noted Jan. 7.

Mich., Detroit — HOTEL — Bonnah & Chaffee, archts., 300 Barlum Bldg., 21 story and basement, 100 x 120 ft., rein.-con., brick and steel, wood pile foundation, Cadillac Sq., to O. Misch Co., 159 East Columbia Ave., for J. J. Barlum, 206 East Grand River Ave. Archts. est. $2,500,000. Noted Dec. 10.

Ill., Aurora — BANK and OFFICE — Weary & Alford, archts., 1923 Calumet Ave., 13 story, 70 x 80 ft., rein.-con., steel and terra cotta, Main St. and Bway., to F. M. Siesel Co., 160 Ogden Ave., Milwaukee, Wis. Archts. est. $400,000. Noted Aug. 27.

Minn., Duluth—BUSINESS—L. F. Bowman, consult. archt., Exch. Bldg., 2 story and basement, 25 x 140 ft., rein.-con., brick and steel, concrete pile foundation, Superior St. and 1st Ave. W., to H. Fawcett, 31 Mesabe Blk., for A. H. Polinsky & E. R. Riheneck. $175,000.

Neb., Omaha—THEATRE—A. H. Blank, 300 Commonwealth Bldg., Des Moines, Ia., structural steel contract 5 story and basement theatre, 20th and Farnam Sts., here, to Omaha Steel Wks., 4802 Leavenworth St., $75,000. Noted Oct. 29.

Mo., St. Louis—STORE—McCrory Stores Corp., 1107 Bway., New York City, N. Y., general contract 4 or 10 story and basement, 104 x 120 ft., rein.-con., brick, stone and steel, 6th and St. Charles Sts., to Wimmer Constr. Co., 916 Victoria Bldg. Noted Dec. 31.

Tex., San Antonio—SALES, STORE and WAREHOUSE—A. A. Herff, archt., Savings and Loan Bldg., general contract, 2 story, 125 x 150 ft. and 1 story, 80 x 150 ft., rein.-con. and brick, East Huston and Chestnut Sts., here, to E. W. Oeffinger, Maverick Bldg., for Crane Co., 836 South Michigan Ave., Chicago, Ill. Noted Dec. 17.

Tex., San Antonio — THEATRE — M. J. Lytle, Princess Theatre Bldg., terra cotta for 5 story and basement, rein.-con., stone, brick and steel, West Houston St., to Western Terra Cotta Co., 1st and Franklin Sts., Kansas City, Mo.; structural steel to Virginia Bridge & Iron Wks., Roanoke, Va., for Famous Players-Lasky Corp., et al. Archts. est. approximately $150,000. Noted Jan. 7.

Calif., Berkeley — THEATRE — M. T. Jorgensen, 110 Sutter St., San Francisco, general contract rein.-con., University and San Pablo Aves., to Barrett & Hilp, 945 Harrison St., San Francisco, for Golden State Theatre, Inc. $125,000. Noted Dec. 31.

Calif., Los Angeles—THEATRE and OFFICE—L. A. Smith, archt., Lily-Fletcher Bldg., 2 story, rein.-con., 1,500 seating capacity, Maplewood and Western Aves., to Barkelew & Gould, 401 Glendale Blvd. for West Coast Theatres, Inc., Film Exchange Bldg. Approximately $175,000. Noted Nov. 12.

Calif., Oakland—STORE and OFFICE—S. H. Kress & Co., 114 5th Ave., New York City, N. Y., 4 story and basement, rein.-con., 14th and Bway. Sts., to Clinton Constr. Co., 923 Folsom St., San Francisco, $250,416.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Gardner — CHURCH — Sacred Heart Church, Cross St., plans new church, Central St. $150,000 or more. Engineer and architect not selected.

Mass., Worcester — SCHOOLS — City Dept. Pub. Buildings, City Hall, plans schools, Granite, May and Thorndyke Sts. $150,000 each. Engineer and architect not selected.

R. I., Olneyville (Ind. sta. Providence) — CHURCH — Tabernacle Church, plans stone church. $250,000. Woodbury & Stewart, 581 Boylston St., Boston, archts.

Conn., Farmington — HIGH SCHOOL — Bd. Educ., H. C. Ney, 1st Selectman, plans new high school, Farmington Ave. $250,000. Engineer and architect not selected.

Conn., Hartford — CHURCH — St. Anthony's Church, A. Kelley, pastor, having plans prepared by D. A. Guerriero, 1029 Main St., 2 story and basement, brick and steel, Market and Talcott Sts. $150,000.

Conn., Hartford—CHURCH—St. John's Parish, W. T. Hooper, pastor, had plans prepared by B. Goodhue, 2 West 47th St., New York City, brick and stone addition, Farmington Ave. $150,000.

N. Y., Alexandria Bay—HIGH SCHOOL—Bd. Educ., having plans prepared by Tooker & Marsh, engrs. and archts., 101 Park Ave., New York City, 2 story, brick, steel and stone, plain foundation. $250,000.

N. Y., Buffalo — CHURCH — Roman Catholic Congregation, E. S. Fenwick, member com., 1746 Hertel Ave., having preliminary plans prepared church and school, Parkside Ave. $160,000. Engineer and architect's names withheld.

N. Y., New York—SCHOOL—New York University, Burnside Ave., plans School of Commerce, Accounts & Finance, Wooster and 3rd Sts. $1,500,000. Engineer and architect not announced.

N. J., Trenton—HIGH SCHOOL—City Comn. having plans prepared by E. Sibley, Palisades, Senior High School, 1 story, Chambers and Greenwood Aves. To exceed $1,000,000.

Pa., Beaver Falls — CHURCH — First Presbyterian Church, Lincoln Pl., having preliminary plans prepared by J. P. Piper, Oliver Bldg., Pittsburgh, and B. G. Goodhue, associated archt., 2 West 47th St., New York City, N. Y., 1 and 2 story and basement, 100 x 166 ft., stone, here. $250,000.

Pa., Greensburg — COMMUNITY — First Reformed Congregation having plans prepared by E. B. Lee, Chamber of Commerce Bldg., Pittsburgh, 2 story and basement, brick and tile, Maple Ave. $175,000.

Pa., Johnstown—HIGH SCHOOL—J. D. Rutledge, pres. Bd. Directors School Dist., 601 Swank Bldg., rejected bids Jan. 11, Garfield High School, 3 story and basement, 260 x 300 ft., brick and steel, Morrellville St. $750,000. J. E. Adams, Nemo Bldg., archt. Noted Dec. 3.

See proposal advertisements on page 116, Advertising Section.

Buildings, Educational, Religious (Cont.)

Pa., Knoxville (Pittsburgh P. O.) — SCHOOL—Bd. Educ. having plans prepared by P. C. Dowler, Magee Bldg., Pittsburgh, 2 story and basement, irregular shaped, brick and hollow tile, Charles and Virginia Aves. $250,000.

Pa., Phila. — GYMNASIUM — See "Unclassified."

Pa., West Homestead (Homestead P. O.) —SCHOOL—School Dist. having plans prepared by A. G. Wickerham, 135 8th St., Homestead, 2 story and basement, 96 x 128 ft., brick and hollow tile school. $200,000.

Pa., Williamsport—HIGH SCHOOL—Bd. Educ. having plans prepared by Gilbert & Beteille, 20 Branford Pl., Newark, N. J., Thadius Stevens Junior High School, 2 story and basement, irregular shaped building. $400,000.

Pa., Williamsport—SCHOOL—Loyalsock Twp. School Bd., purchased 4 acre site and plans 3 story and basement, 120 x 130 ft., brick, on Warrensville Rd. between Four Mile Dr. and Mountoursville Highway, near Faxon. $400,000. Engineer and architect not selected.

N. C., Wilmington — CHURCH — First Presbyterian Church, A. D. P. Gilmour, pastor, having plans prepared by H. L. Cain, 12 North 9th St., Richmond, Va. rebuilding church recently destroyed by fire. $300,000.

Ga., Atlanta — SCHOOLS — Plans election in March or April $2,000,000 bonds, for schools. W. Sims, mayor.

Fla., Titusville—SCHOOL—Brevard Co., election soon $250,000 bonds, school, for Bd. Pub. Instruction.

La., Homer—HIGH SCHOOL—Claiborne Parish Bd. Educ. soon takes bids 3 story, rein.-con., brick and stone high school. $175,000. J. W. Smith, Monroe, archt. Noted Sept. 3.

La., Monroe—SCHOOL—Ouachita Parish election Feb. 2, $800,000 bonds school building, and new filtration plant, etc.

O., Alliance — LIBRARY and MUSIC HALL—Mount Union College having plans prepared by Walker & Weeks, 1900 Euclid Bldg., Cleveland, 2 story, brick library and music hall. $200,000.

O., Cleveland—SCHOOLS—Bd. Educ., F. G. Hogan, dir., having preliminary plans prepared by G. M. Hopkinson, Auditorium Garage Bldg., two 2 story and basement, brick, steel and concrete schools, one at East 185th St. and Muskoka Ave., $475,000, and Charles Dickens School, $150,000.

Ind., Mishawaka — SCHOOL — Freyermuth & Maurer, archts. and engrs., 654 Associates Bldg., South Bend, takes bids about Mar. 1, 2 story, 112 x 162 ft., brick and stone, here, for City. $150,000.

Mich., Detroit — CHURCH — Central Woodward Christian Church, N. Bentley, chn. building com., 1160 Chicago Blvd., having plans prepared by G. D. Mason & Co., 508 Griswold St., 3 story and basement, rein.-con., brick and steel, plain foundation, Woodward and Josephine Aves. $500,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath, Dohmen & Page, archts., 2331 Park Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Nevada and Lumpkin Aves. $150,000.

Ill., Hillside — SCHOOL, MONASTERY, CHURCH, etc.—Servite Fathers Monastery, c/o A. Brosnahan, pastor, 3121 West Jackson Ave., Chicago, takes bids about Mar. 7, group 2 and 3 story and basement, brick and rein.-con. buildings, here. $200,000. O'Meara & Hills, Arcade Bldg., St. Louis, Mo., archt.

Wis., Appleton — GYMNASIUM — Lawrence College, H. W. Wreston, pres., having plans prepared by Childs & Smith, North Michigan Ave., Chicago, Ill., rein.-con., brick and steel gymnasium. $250,000.

Wis., Madison — FIELD HOUSE — University of Wisconsin, c/o J. Phillips, bus. mgr., plans brick, rein.-con. and steel field house. $200,000. Engineer and architect not selected.

Wis., Madison — LIBRARY — University of Wisconsin, c/o J. H. Phillips, bus. mgr., plans 4 story, rein.-con., brick and stone addition, plain foundation. $150,000. Engineer and architect not selected.

Wis., Milwaukee — CONTINUATION SCHOOL — Bd. Industrial Educ., 7th and Prairie Sts., having plans prepared by Van Ryn & DeGelleke, 114 Grand Ave., (3rd unit (6 story and basement, 143 x 266 ft., brick and rein.-con., plain foundation, 6th and State Sts. $1,000,000.

HIGHWAY—OREGON

Bids were opened by State Highway Comm., Salem, for constructing 12.54 mi. Hereford-Mill Gulch Section Baker-Unity Highway, Baker Co., (A) H. E. Cornell, 1403 Worm Springs Ave., Boise, Idaho (awarded contract); (B) Triangle Construction Co., Spokane, Wash.; (C) Drummins & Toller. The unit bids are as follows:

	A	B	C
Clearing and grubbing (lump sum)	$2,000.00	$2,000.00	$2,000.00
44,000 cu.yd. common excavation	.23	.25	.25
65,000 cu.yd. intermediate excavation	.44	.40	.42
66,000 cu.yd. solid rock excavation	.85	.96	.90
98,000 cu.yd. overhaul	.04	.05	.05
140 cu.yd. Class A concrete	26.00	27.00	32.00
100 cu.yd. Class B concrete	23.00	24.00	30.00
280 cu.yd. dry rubble	5.00	4.00	4.50
150 cu.yd. riprap	2.00	3.00	2.50
3,350 cu.yd. earth cushion	.35	.40	.50
118 ft. b.m. lumber and timber	65.00	60.00	70.00
10,400 lb. metal reinforcing	.08	.09	.10
1,100 lin.ft. 18-in. concrete culvert pipe	2.50	2.65	3.00
710 linft. 24-in. concrete culvert pipe	3.50	3.83	4.30
310 lin.ft. 36-in. concrete culvert pipe	6.00	6.55	7.50
400 lin.ft. 18-in. concrete siphon pipe	2.60	2.80	3.10
80 lin.ft. 36-in. concrete siphon pipe	6.25	6.80	7.70
Extended totals	$126,690	$133,694	$135,224

Wis., Milwaukee—SCHOOL—St. Thomas Aquinas Congregation, 676 36th St., having plans prepared by Eschweiler & Eschweiler, 210 Mason St., 2 story and basement, brick and tile, plain foundation, 34th St. $200,000.

Wis., Oshkosh—CHURCH—Sacred Heart Congregation, 1318 6th St., having plans prepared by E. Brielmaier & Sons Co., 432 Bway., Milwaukee, 2 story and basement, brick and stone, plain foundation, Knapp St. $185,000.

Wis., St. Nazianz — COLLEGE, etc. — Salvation Fathers, have preliminary plans prepared by E. Brielmaier & Sons Co., 432 Bway., Milwaukee, 3 story and basement, rein.-con. and brick college, also power plant and laundry. $300,000.

Wis., Wauwatosa—SCHOOL—Bd. Educ., R. Baird, pres., having preliminary plans prepared by Herbst & Kuenzli, 114 Grand Ave., Milwaukee, 3 story and basement, 37 x 135 ft., brick and tile addition, plain foundation, Windsor Ave. $100,000-$150,000.

Ia., Decorah — GYMNASIUM — Luther College had plans prepared by Hanson & Altifillisch, Decorah, 3 story and basement, rein.-con. and brick gymnasium. $150,000.

Ia., Mt. Pleasant — SCIENCE — Iowa Wesleyan College, H. S. Smith, pres., having plans prepared by H. O. Eckland, McKinney Bldg., Moline, Ill., 3 story and basement, rein.-con., brick and stone. $250,000. Noted Aug. 27.

Minn., Eveleth—HIGH SCHOOL—Secretary Eveleth Bd. Educ., takes bids in March, 3 story, 98 x 160 ft., rein.-con., brick and tile addition, wood pile foundation. $200,000. E. H. Berg, Eveleth, engr. and archt.

Kan., Lindsborg — MUSIC and FINE ARTS—Bethany College having preliminary plans prepared music and fine arts building. $150,000. Engineer and architect not selected.

S. D., Aberdeen — GYMNASIUM — State Normal School, c/o Bd. of Regents, T. W. Dwight, pres., having plans prepared by J. W. Henry, Aberdeen, 3 story and basement, rein.-con., brick, tile and stone at State Normal School. $250,000.

Mo., St. Louis—CHURCH—H. P. Hess, archt., 1237 North Taylor Ave., takes bids about Jan. 29, 2 story and basement, 60 x 164 ft., rein.-con., brick and stone, Carter and Marcus Sts., for St. Engelberts Parish, c/o A. J. VonBrunn, pastor, 4740 Carter Ave. $200,000.

Ark., Pine Bluff—CHURCH—First Presbyterian Congregation, R. E. Fry, pastor, will not construct 2 story and basement, brick, stone and concrete church. Project postponed. Noted Oct. 16.

Tex., Abilene—CHURCH—Central Presbyterian Church, having plans prepared by Shephard & Wiser, R. A. Long Bldg., Kansas City, Mo., 2 story and basement, 140 x 210 ft., rein.-con., brick, stone and steel church. $250,000.

Tex., Austin — CHURCH — Central Christian Congregation, having plans prepared by R. L. White, Univ. Sta., 3 story and basement, rein.-con., brick and steel, 12th and Guadalupe Sts. $150,000.

Tex., Ft. Worth—SCHOOLS—Bd. Educ., c/o M. H. Moore, supt., 921 Jennings Ave., having plans prepared by Glasgow & Longley, 1st Natl. Bank Bldg., D. McRae Ward School, 2 story and basement, 13,000 sq.ft. floor space, 3321 Millet St. $150,000, by W. G. Clarkson & Co., 1st Natl. Bank Bldg., North Side Jr. High School, 3 story and basement, 26,000 sq.ft. floor space, North Ft. Worth St. $300,000, Arlington Heights High School, 3 story and basement, 26,000 sq.ft. floor space, $300,000, Polytechnic Jr. High School, 3 story, 26,000 sq.ft. floor space, South East Ft. Worth St. $300,000, all foregoing rein.-con., brick and stone, also takes bids about Jan. 15, Senior High School, 3 story and basement, 40,000 sq.ft. floor space, brick and terra cotta, 1003 Cannon St., $650,000.

Okla., Cordell — DORMITORY — Oklahoma Christian College having preliminary plans prepared 3 story and basement, brick and rein.-con., plain foundation, campus. $175,000. Engineer and architect not selected.

Okla., Enid—HIGH SCHOOL—Bd. Educ. had preliminary plans prepared Junior High School, 2 story and basement, 116 x 224 ft., brick and rein.-con., plain foundation, 7th Ave. $285,000 bond election in spring. Engineer and architect not selected.

Okla., Wewoka—HIGH SCHOOL—Election Jan. 28, $150,000 bonds, 2 story and basement, Ofkuskey St. Tonini & Bramblett, Terminal Arcade, Oklahoma City, archts.

Calif., Beverly Hills — SCHOOL — Voted $260,000 bonds, purchasing site and constructing school.

Calif., Compton—SCHOOLS—Plans election $150,000 bonds, 1 new school and additions to present 2 schools.

Calif., Los Angeles—CHURCH—Christian Church of Los Angeles having plans prepared by H. Cross, Merchants Natl. Bank Bldg., fireproof, Pico Blvd. $150,000.

Calif., Los Angeles — CHURCH — Sixth Church of Christ Scientist, plans fireproof church, 42nd and Flower Sts. $150,000 or more. Engineer and architect not selected.

Calif., Los Angeles — SCHOOL — Bd. Educ., having plans prepared by O. R. Clark, Chapman Bldg., 2 story and basement, brick school. $150,000.

Calif., Pasadena—HIGH SCHOOL—City soon takes bids 2 story, 160 x 200 ft., stucco and rein.-con. addition to Center and Oak Knoll Junior High School. $175,000 or more. Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, archts.

Calif., San Francisco—CHURCH—Roman Catholic Archbishop, 1100 Franklin St., takes bids probably in March, general contract steel and rein.-con. Masonic Ave. near Page Ave. $150,000 or more. L. J. Devlin, Pacific Bldg., archt. Steel contract awarded to Schrader Iron Wks., 1247 Harrison St.

Ont., Toronto—SCHOOL—Bd. Educ., 155 College St., plans 2 story and basement, rein.-con., brick and steel, plain foundation, in vicinity of Victoria, George and Duke Sts. $200,000. Private plans.

Ont., Toronto—TECHNICAL SCHOOL—Bd. Educ., 155 College St., having plans prepared by C. E. Dyson, 155 College St., 3 story and basement, rein.-con. and brick, timber, plain foundation, West End. $1,000,000.

BIDS DESIRED

Conn., Torrington—CHURCH—St. Peters Italian Church, A. Bonforti, pastor, taking bids 1 story and basement, brick and steel, West Main St. $150,000. D. A. Guerriero, 1029 Main St., Hartford, archt.

Conn., Waterbury — CHURCH—Immaculate Conception Church, W. J. McGurk, pastor, taking bids 1 story and basement, brick, steel and stone, West Main St. $250,000. Maginnis & Walsh, 100 Boylston St., Boston, Mass., archts. Noted Feb. 19.

N. Y., Wellsville—HIGH SCHOOL—Feb. 16, by Bd. Educ., brick, steel and stone, plain foundation. $300,000. Tooker &

See proposal advertisements on page 116, Advertising Section.

Buildings—Educational, Religious (Con't) Marsh, 101 Park Ave., New York City, archts. J. F. Musselman, 101 Park Ave., New York City, engr.

N. J., West Englewood—SCHOOL—Jan. 29, by Bd. Educ. Teaneck Twp., School 2, Teaneck Rd., Teaneck, addition to Elementary School, here. Hacker & Hacker, 1012 Palisades Ave., Palisade, engrs.; adv. E. N.-R. Jan. 14.

Pa., Lewistown—CHURCH—Mar. 15, by Trinity Reformed Church Bd., Oak St., H. E. Knepp, chn., and J. E. Rupley, pastor, 2 story and basement, 80 x 120 ft., stone church incl. parsonage, boiler room, auditorium, etc. $150,000. Bolton & Son, Schaff Bldg., Phila., archts.

Md., Owings Mills—DORMITORY—Feb. 3, by W. W. Emmart, archt., Union Trust Bldg., Baltimore, 2 story and basement, 60 x 150 ft., dormitory, here, for Rosewood State Training School. $150,000.

La., Baton Rouge—SCHOOLS—Mar. 3, by Building Com. East Baton Rouge Parish School Bd., Baton Rouge High School, with swimming pool, etc., McKinley High School, and Bernard Terrace School, all brick and stone. Noted May 28 and Nov. 12.

La., New Orleans—SCHOOL—Feb. 12, by E. A. Christy, supery. archt., City Hall Annex, McDonough No. 9 School, 3 story, brick and stone, Rocheblave, Tonti, D'Abadie and Onzago Sts., for Orleans Parish School Bd. $250,000. Noted Nov. 12.

Ind., Terre Haute—SCHOOL—Feb. 1, by Secretary School Bd., Administration Bldg., general contract 2 story and basement, 310 x 330 ft., brick and plain foundation, 25th and Poplar Sts. $550,000. Johnson, Miller, Miller & Yeager, 30 North 5th St., archts. and engrs. Noted Jan. 7.

Mich., Ferndale (br. Detroit)—SCHOOLS—Feb. 22, by G. Damon, secy. Bd. Educ. Dist. 9, 1 story, rein.-con. and brick, plain foundation, Nine Mile Rd.; also 1 story, brick and concrete addition to Woodward and Nine Mile Rd. School; and brick and concrete addition to Wilson School, Woodward Ave. $160,000. H. T. Keyes, 635 Free Press Bldg., Detroit, archt.

Mich., Milan—HIGH SCHOOL—Feb. 1, by Warren Holmes-Powers Co., archts., Lansing, 2 story and basement, 90 x 146 ft., rein.-con., brick and steel, plain foundation, here, for Bd. Educ., G. A. Dennison, secy. $150,000.

Minn., Minneapolis—BOTANY—Jan. 26, by State Bd. Administration & Finance, Capitol Bldg., St. Paul, 3 story, rein.-con., brick, stone and terra cotta at University, here. $200,000. C. H. Johnston, 715 Capital Bank Bldg., archt. Noted Oct. 1.

Mo., University (Sta. St. Louis)—SCHOOL—Jan. 27, by Bd. Educ., 6701 Delmar Blvd., 2 story and basement, brick and concrete additions to Flynn Park and Pershing Schools. Ferrand & Fitch, 6188 Delmar Blvd., archts. Noted Dec. 24.

BIDS RECEIVED

Pa., Johnstown—HIGH SCHOOL—Bd. Educ., Garfield Junior High School, 4 story and basement, 65 x 404 ft., from R. R. Kitchen Co., Bacmar Pl., Wheeling, W. Va., $686,000. Noted Nov. 5.

D. C., Wash.—HIGH SCHOOL—Dist. Comrs., Jan. 12, Randall Junior High School, from King Lumber Co., Charlottesville, Va., $193,000. Noted Jan. 7.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., general contract Foshay Junior High School, 3 story, 55 x 150 ft., brick, from H. W. Schleuter, Black Bldg., $110,000. Noted Dec. 3.

CONTRACTS AWARDED

N. Y., New York—SYNAGOGUE—Park Ave. Temple, J. Freedman, pres., c/o Deutsch & Schneider, engrs. and archts., 35 Maiden Lane, brick, steel and stone, plain foundation, to Lustbader Constr. Co., 101 Park Ave. Archts. est. $400,000.

N. J., Camden — NURSES HOME — Lackey & Hettel, archts., 5 Hudson Ave., 5 story and basement, 45 x 115 ft., and 56 x 105 ft., rein.-con. and brick nurses home and childrens quarters, plain foundation, Mt. Ephraim Pike and Atlantic Ave., to T. H. Gibbs Constr. Co., Corn Exch. Bldg., Phila., Pa., for West Jersey Homeopathic Hospital. Archts. est. $300,000. Noted Nov. 19.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, 4 story and basement, 65 x 169 ft., rein.-con. and brick, plain foundation, Spring Garden St. west of 13th St., general contract, to W. Langhorne, 10 South 18th St., $465,787; heating, to Philadelphia Piping & Eng. Co., 1605 Rockland St. $27,500. Noted Jan. 14.

Pa., Pittsburgh—CHURCH—St. Francis Xavier Congregation, general contract 1 story and part basement, 64 x 170 ft. church, California Ave., to Helmer & Reznor, Empire Bldg. Archts. est. $200,000.

Md., Baltimore — SYNAGOGUE — Beth Tfiloh Congregation, c/o F. A. Fletcher, archt., 407 North Charles St., 1 story, 71 x 80 ft., steel and stone, plain foundation, Garrison and Dalrymple Aves., to Price Constr. Co., Maryland Trust Bldg., $165,000. Noted Dec. 17.

D. C., Wash. — HIGH SCHOOL — Dist. Comrs., Dist. Bldg., John H. Francis Junior High School, to C. H. Tompkins, 1612 Park Rd., $414,240. Noted Jan. 14.

O., Cleveland—CHAPEL and CREMATORY—W. R. Hopkins, city mgr., City Hall, 1 and 2 story, 91 x 112 ft., brick, steel and granite, Highland Park, to Craig-Curtiss Co., 4614 Prospect Ave. Archts. est. $250,000. Noted Nov. 19.

O., Vermilion — HIGH SCHOOL — Bd. Educ., C. A. Trinter, clk., 2 story and basement, 115 x 140 ft., brick, steel and concrete to Fravel Constr. Co., 8 East Long St., Columbus. Noted Dec. 24.

Ill., Chicago—HIGH SCHOOL—Catholic Bishop of Chicago, 740 Cass St., St. Leo High School, 3 story and basement, 26 x 112 ft., 901 West 79th St., to J. R. O'Connor, 79th and East End Ave. Archts. est. $650,000.

Kan., Kansas City — HIGH SCHOOL — Bd. Educ., Rose Dale High School, 3 and 4 story and basement, 115 x 170 ft., brick, steel, stone and rein.-con., to E. Drier & Son, Peoples Natl. Bank Bldg., $215,984. Noted Dec. 31.

Mo., St. Louis—BIOLOGY—Jamieson & Spearl, archts., Arcade Bldg., 3 story, 54 x 214 ft. with 45 x 47 ft. wing, rein.-con., brick and stone, campus, to Woermann Constr. Co., Syndicate Trust Bldg., for Washington University, Forsythe and Skinker Blvd. Archts. est. $250,000. Noted Dec. 17.

Mo., St. Louis—CHURCH, SCHOOL and CONVENT, etc. — St. Cecelia Catholic Parish, c/o B. J. Benton, pastor, 2 and 3 story, rein.-con., brick and stone, Louisiana St., to Kloster & Co., 5215 South Grand Blvd.

Ont., Windsor — SCHOOL — Separate School Bd., 616 Pierre Ave., general contract 2 story and basement, rein.-con., brick and steel, plain foundation, Banwell Ave., to E. Clark Ltd., 200 Banwell Ave., $109,000. Noted Nov. 12.

Federal Government Work

BIDS DESIRED

N. Y., St. George—Acetylene Flashers—Feb. 1, by Supt. Lighthouses, 50 acetylene flashers or automatic devices to control flow of acetylene gas for light and eclipse periods of occulting acetylene lights on buoys and beacons.

Mo., St. Louis — Hull — Feb. 16, by Mississippi River Comn., at office of Secretary, 1311 International Life Bldg., steel hull for steamer "Mississippi"; adv. E. N.-R. Jan. 21.

Nebraska and Wyoming—Valves, etc.—Feb. 1, by E. Mead, comr. Bureau Reclamation, Denver, two 24 in. drum gate regulating valves for Guernsey Dam, and two 24 in. regulating needle valves for Minatare Dam, North Platte Project, Nebraska-Wyoming; adv. E. N.-R. Jan. 21.

Calif., Mare Island — Hospital — Spec. 5105—Mar. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., rein.-con., brick and steel hospital buildings at Navy Yard, here. L. E. Gregory, chief of Bureau; adv. E. N.-R. Jan. 21. Noted Oct. 22.

T. H., Hilo — Breakwater — Mar. 15, by U. S. Engineer Office, Honolulu, constructing breakwater in harbor, here; adv. E. N.-R. Jan. 21.

BIDS RECEIVED

D. C., Wash.—Dock—Spec. 5169—Bureau Yards & Docks, Navy Dept., Jan. 13, creosoted timber fender piles and superstructure for dock, Naval Air Station, Anacostia, here, from Concrete Oil Tank Co., 519 Mills Bldg., (1) $6,849 (2) $6,500 (3) $20. Noted Jan. 7.

Ky., Louisville—Piling—U. S. Engineer Office, P. O. Box 72, 6,800,000 lb. steel sheet piling for Dams 46, 50, 52 and 53, in Ohio River, from Carnegie Steel Co., Carnegie Bldg., Lot A $50,338 Lot C $33,073 and Lot D $39,681. Lot B rejected. Will readvertise. Noted Dec. 24.

Nebraska—Gates—Bureau Reclamation, Denver, Colo., Dec. 3, 50 x 50 ft. steel regulating gate and 1 steel gate frame for Guernsey Dam, North Platte, Nebraska-Wyoming, also 20 x 26 ft. steel penstock gate and steel gate frame from Omaha Steel Wks., 4802 Leavenworth St., Omaha, $39,714 and $9,108 respectively; pier plates, drum chambers, etc. also two 14½ x 64 ft. steel drum gates, from Dravo Contr. Co., Neville Island, Pittsburgh, Pa., $39,252. Noted Oct. 29.

CONTRACTS AWARDED

Wyoming—Bridge—J. W. Johnson, dist. engr. Bureau Pub. Roads, Dept. Agriculture, 301 Custom House Bldg., Denver, Colo., improving Jackson Park Highway, Natl. Forest Rd. Project Sect. 2 (bridges in Teton Natl. Forest, here, to Monarch Eng. Co., West Colfax and Larimer Sts., Denver, Colo., $41,950. Noted Dec. 24.

New Mexico—Bridge—J. W. Johnson, dist. engr. Bureau Pub. Roads, Dept. Agriculture, 301 Custom House Bldg., Denver, Colo., improving Datil Reserve-Dry Creek Natl. Forest Rd. Project, San Francisco River Bridge Section, here, to Salle Constr. Co., Pueblo, Colo., $41,730. Noted Nov. 12.

Ariz., Yuma—Power Plant—Bureau Reclamation, Dept. Interior, constructing buildings, foundations, machinery, etc., for siphon drop power plant, Yuma Project, Ariz.-Calif., to C. Olcester, Yuma, $76,679. Noted Oct. 15.

Calif., San Diego—Dolphins—Spec. 5718—Bureau Yards & Docks, Navy Dept., Wash., D. C., replacing and reinforcing dolphins, here, to Barclay & Schaniel, 2358 Columbia St., $9,175.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

678—Tahoe Electric Power Co., Al Tahoe, Calif.—Wants license power development in Cold Creek, Tahoe Natl. Forest Eldorado Co. All above constructed with exception small dam and reservoir at Star Lake.

679—Southern California Edison Co., 306 West 3rd St., Los Angeles—Wants license constructing transmission line in San Bernardino Co., Angeles Natl. Forest.

680—South Carolina and Georgia—Twin City Power Co. and Twin City Power Co. of Georgia, Waterford, N. Y.—Wants preliminary permit dam about 2 mi. east of Modoc, in Savannah River, McCormick Co., South Carolina, and Lincoln Co., Georgia.

681 — Illinois Northern Utilities Co., Dixon, Illinois—Wants preliminary permit for dam with appurtenant power structures in Rock River, near Byron, Ogle Co.

682 — West Florida Power Co., Tallahassee, Fla.—Wants preliminary permit power development in Ocklocknee River, Leon and Gadsden Counties.

683—Prairie Power Co., Prairie City, Ore.—Wants preliminary permit constructing 2 earth dams with power appurtenances in Strawberry and Onion Creeks, Grant Co.

684 — H. A. Spalding, Hazard, Ky.—Wants preliminary permit power project in Obey, Obed Rivers, and Big South Fork Cumberland River, in Overton, Scott and Morgan Counties, Tenn.

685—Moorpark-Conejo Irrigation Dist., Moorpark, Calif.—Wants preliminary permit dam with appurtenant power works, in Sespe and Piru Creeks, Ventura Co.

Unclassified

PROPOSED WORK

Docks — Buffalo, N. Y. — City Council, Municipal Bldg. making preliminary plans constructing docks and dredging at foot Michigan St. To exceed $200,000. C. E. P. Babcock, Municipal Bldg., engr.

Generators and Air Compressors—Kings Park, N. Y.—State Hospital Comn., Albany, takes bids in March, electric generators and air compressors, for Kings Park State Hospital, here. A. W. Jones, Capitol, Albany, state archt.

Swimming Pool—North Tonawanda, N. Y.—Bd. Educ. Union Free School Dist. 2, rejected bids Jan. 8, brick swimming pool. $80,000. Will readvertise. Noted Jan. 7.

Street Lighting System, etc. — Watertown, N. Y.—Making plans street lighting system, $300,000 and improving electrical distribution system, $200,000. A. L. Mullergren, 555 Gates Bldg., Kansas City, Mo., engr.

Telephone Facilities—North Carolina—Southern Bell Telephone Co., Raleigh, plans expending $125,000 switchboards, $83,000 conduits, cable and aerial cable, $32,000 enlarging central office, new power plant, new storage batteries, ringing machine.

See proposal advertisements on page 116, Advertising Section.

Unclassified (Continued)

power, etc., in Raleigh; also improvements in Charlotte $300,000, Asheville $302,000, Greensboro $129,200, Hendersonville $38,000, Salisbury $100,000, Statesville $21,000, Winston-Salem $109,100, Wilmington $18,700, and Morganton $7,300. G. C. Cauthen, Raleigh, local mgr.

Suburban Development—Asheville, N. C.—Sunset Mountain Estates, Inc., H. Block, pres., plans residential development on Sunset and Piney Mountains, incl. hotel, roads, etc.

Amphitheatre—St. Petersburg, Fla.—J. J. Harmer & C. H. Davis, South Albany Ave., Tampa, plan amphitheatre known as Olympic Park, here. $200,000 plus.

Land Development—Ocean Springs, Miss.—See "Contracts Awarded."

Stadium—Chattanooga, Tenn.—Stadium Committee making preliminary plans concrete stadium, for City. $125,000. J. G. Gauntt, Chattanooga, engr. Noted Dec. 17.

Telephone Lines, etc.—Nashville, Tenn.—Cumberland Telephone & Telegraph Co., 186 3rd Ave. N., K. C. Hardcastle, mgr., plans expending $230,000 line extensions, new cables, etc., for city and suburbs during 1926.

Subway — Decatur, Ill. — Takes bids in spring, subway under Wabash R.R. tracks, Decatur St. $170,000. M. P. O'Brien, City Hall, engr.

Boiler and Appurtenances — Springfield, Ill. — Illinois Power Co. plans additional underground installation, copper cables. $79,800. A. D. Mackie, genl. mgr.

Gas Mains — Springfield, Ill. — Illinois Power Co. plans new feeder main in Oberlin Ave., roadway and cyclone fence around West Grand Ave. plant, etc. $46,636. A. D. Mackie, genl. mgr.

Stadium—St. Paul, Minn.—Dept. Parks, Playgrounds & Public Buildings, plans rein.-con. stadium, 20,000 seating capacity, in Dunning Field near Lexington and St. Anthony Aves. $135,000. Engineer and architect not selected.

Pipe Line—Texas—Humble Oil & Refining Co., Houston, making surveys 150 mi. pipe line from Benavides to oil fields in Webb Co., etc. $1,250,000. Private plans.

Stadium—Dallas, Tex.—Southern Methodist University c/o C. C. Selectmen, pres. and L. W. Bailey, bus. mgr., making plans rein.-con. stadium, Abilene Rd. and Mockingbird Lane. $200,000. Dewitt & Lemmon, South West Life Bldg., archts. Osborn Eng. Co., 7016 Euclid Ave., Cleveland, O., engrs. Noted Jan. 7.

Electric Transmission Line, etc.—Oklahoma—City of Fargo election Jan. 25, $22,000 bonds, distribution system in Fargo, and electric high line from Fargo to Woodward. H. G. Olmsted, Oklahoma Bldg., Oklahoma City, engrs.

Gas System — Duncan, Okla. — Election Jan. 22, $250,000 bonds natural gas system. Z. Z. Rogers, Duncan, engr.

Subways — Palo Alto, Calif. — Plans 2 subways under railroad tracks, University and Forest Aves. To exceed $25,000. J. F. Byxbee, Jr., city engr.

Ferry Slips — San Francisco, Calif. — State Bd. Harbor Comrs., Ferry Bldg., plans ferry slips, foot of Hyde St. $150,000 or more. F. G. White, c/o owner, ch. engr.

Outdoor Substation, etc.—Fort William, Ont.—Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans outdoor substation, switching equipment, and transmission line, here. $280,000. F. A. Gaby, 190 University Ave., Toronto, engr.

Transmission Line—Quebec—Donnacona Paper Co. Ltd., Donnacona, plans 66,000 v. electric transmission line from Point Rouge to Donnacona. $45,000. J. A. Beauchemin, Donnacona, engr.

Pier — Cap-de-la-Madeleine, Que. — Canadian International Paper Co., Three Rivers, making plans piling with earth fill landing pier, here. $35,000. J. Bourgeois, Three Rivers, engr.

Wharf—Cap-de-la Madeleine, Que.—Dept. Pub. Wks., Ottawa, Ont., plans 200 ft. extension to wharf, here. $120,000. B. Grandmont, Three Rivers and K. M. Cameron, Ottawa, Ont., engrs.

BIDS DESIRED

Subway—New York, N. Y.—Jan. 29, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., subway Sect. 4-A, Route 78, along and under St. Nicholas from West 141st to 149th Sts.

Swimming Pool—Yonkers, N. Y.—Feb. 1, by at office Westchester Park Comn., 72 Pondfield Rd., Bronxville, rein.-con. swimming pool, at Tibbetts Brook Park, here, Contr. 78, and recirculating, filtering and sterlizing equipment plant in filter plant in connection with above, Contr. 79. J. Downer, ch. engr.; adv. E. N.-R. Jan. 21.

Swimming Pool—Atlanta, Ga.—See "Contracts Awarded."

Land Development—Ocean Springs, Miss.—See "Contracts Awarded."

Swimming Pool—Baton Rouge, La.—See "Buildings—Educational, Religious."

Wharf—Lake Charles, La.—Feb. 9, by Bd. Comrs. Harbor & Terminal Dist., 110 x 800 ft. creosoted timber wharf, with 2 railroad tracks. $300,000.

Grain Elevator—Beech Grove, Ind.—Indiana Wheat Growers Assn., H. Steen, secy., 4346 Park Ave., Indianapolis, taking bids 55 x 260 ft. grain elevator, consisting of 80 bins, 52 concrete tanks, 1,000,000 bu. capacity, here. $300,000. Elevator Constr. Co., Cincinnati, O., engrs.

Heating, etc.—Madison, Wis.—Bd. Educ., H. W. Pickford, secy., 22 West Dayton St., taking bids heating plant, incl. boiler, etc., for new East Side High School. $25,000. Noted Sept. 18 under "Buildings—Educational, Religious."

Boilers, Generators, etc. — Menomonie, Wis.—Jan. 27, by Stout Institute, B. E. Nelson, pres., two 125 hp. return tubular boilers, two 10 kw. 115 volt engine generator units and accessories, two 5 x 8 x 10 single direct acting boiler feed pumps, for power plant. C. A. Halbert, State Capitol, Madison, engr.

Subway — Milwaukee, Wis. — See "Contracts Awarded."

Swimming Pool—Los Gatos, Calif.—Feb. 1, by D. M. Winning, city clk., 40 x 70 ft. swimming pool with plumbing and filtering system, Memorial Park. To exceed $15,000. R. Wyckoff, Growers Bank Bldg., San Jose, archt. Noted Nov. 19.

Transmission Line—Fort Alexander, Man.—See "Contracts Awarded."

Panels, Filters, etc. — Wellington, New Zealand—Mar. 23, by Secretary Pub. Wks., Supplies & Tenders Bd., 5 transformer and 5 feeder automatic oil immersed circuit breaker panels, 2 synchronous condenser panels, etc. for Arapuni Power Supply, Sect. 125-Penrose Station; four 7-12 g.p.m. and one 25-40 g.p.m. oil filters, etc., for Arapuni Power Scheme, Sect. 154.

Swimming Pool—Honolulu, T. H.—See "Buildings—Commercial."

CONTRACTS AWARDED

Coal Plant — Boston, Mass. — Boston & Maine R.R., North Sta., F. A. Merrill, ch. engr., coaling plant, Mystic Wharf, to J. H. Proctor & Co., 840 Old South Bldg. Engrs. est. $500,000.

Stadium—Johnstown, Pa.—A. McKeever, supt. Parks & Public Property structural steel stadium, at the Point, bleachers, 216 ft. long on one side and 378 ft. on other, to Engstrom & Co., 15th and Warward Sts., Wheeling, W. Va., $182,180. Engrs. est. $212,000. Noted Dec. 17.

Fill—Phila., Pa.—Dept. Pub. Wks., Bureau of Engineering, 180,000 cu.yd. fill upon city owned property, Broad and Pattison Sts., to Richards Kelly Co., Inc., 349 North 57th St. at $0.74 per cu.yd., total $133,200. Noted Jan. 21.

Barges—Pittsburgh, Pa.—Equitable Gas Co., c/o Philadelphia Co., 6th Ave., general contract 10 coal barges, steel, to Dravo Contg. Co., Neville Island.

Swimming Pool — Scranton, Pa. — See "Buildings—Commercial."

Swimming Pool — Atlanta, Ga. — R. J. Spiller, Ponce De Leon Base Ball Park, will build 100 x 250 ft. swimming pool, by day labor. $60,000.

Land Development—Ocean Springs, Miss.—Brannigar Bros. Co., 160 North La Salle St., Chicago, Ill., purchased 1,200 acre site and will build roads, on development known as Gulf Hills, by day labor. Plans later waterworks, sewers, electric lights, etc. Address A. H. McElrath, Gulf Hills, Ocean Springs, engr.

Grain Elevator—Nashville, Tenn.—Nashville Warehouse & Elevator Corp. retained Stevens Eng. & Constr. Co., Buder Bldg., 7th and Market Sts., St. Louis, Mo., to design and construct 360,000 bu. capacity grain elevator of 10 circular tanks, 24 ft. diam, with head house, scales, loading and unloading belts.

Airplane Hangar—Dearborn, Mich.—A. Kahn, archt., 1000 Marquette Bldg., Detroit, 1 story, 124 x 358 ft., brick and steel airplane hangar, plain foundation, Oakwood Blvd., here, to Banbrook-Gowan Co., 4829 Woodward Ave., Detroit, for Ford Motor Co., Highland Park. Noted Dec. 17.

Subway—Milwaukee, Wis.—Chicago, Milwaukee & St. Paul R.R. Co., Union Sta., will build timber subway under railway tracks at Chicago Ave., by day labor; and 15,000 cu.yd. excav., to Schoonmaker Constr. Co., 373 Bway. Engrs. est. to exceed $25,000. Noted Jan., 1925.

Culverts — Wellington, Kan. — See "Bridges."

Ball Park — St. Louis, Mo. — Dodier Realty Co., steel and rein.-con. additions to ball park, to Steininger Constr. Co., 4823 Easton Ave. Archts. est. $500,000.

Piling — Helena, Ark. — Wharf Impvt. Dist. 1, Shrine Bldg., Memphis, Tenn., E. M. Allen, chn., piling along wharf and levee preparatory to construction river terminals, to Kaucher-Hodges Co., Shrine Bldg., Memphis, Tenn., $15,000. Noted Nov. 26.

Barge—Oakland, Calif.—Libby, McNeil & Libby, Merchants Exch. Bldg., San Francisco, 130 ft. steel barge, 40 ft. wide and 9 ft. draught, 775 ton capacity, here, to Pacific Coast Eng. Co., foot of West 14th St.

Gas Holder—Oakland, Calif.—Pacific Gas & Electric Co., 245 Market St., San Francisco, steel gas holder, 50th Ave. and Clement St., to Bartlett & Hayward Co., 200 Scott St., Baltimore, Md., $500,000.

Pier Sheds—San Francisco, Calif.—State Bd. Harbor Comn., Ferry Bldg., two 1 story, timber and concrete sheds, to D. Nordstrom, 4146 Emerald St., Oakland, $142,765. Noted Jan. 14.

Transmission Line—Fort Alexander, Man.—Manitoba Power Co. Ltd., Winnipeg, will build approximately 23 mi. transmission line, etc., here, by day labor. $150,000. E. V. Caton, c/o owner, engr.

Materials

PROPOSED WORK

Road Oil—Monmouth, Ill.—See "Streets and Roads."

BIDS DESIRED

Iron Castings—New York, N. Y.—Jan. 28 by J. Miller, pres. Manhattan Boro, Municipal Bldg., iron castings to corporation yards.

Sand Grit, etc.—New York, N. Y.—Jan. 28, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 3,000 cu.yd. sand grit; 4,000 cu.yd. course aggregate; 600 tons asphaltic joint filler; 20,000 bags Portland cement; 3,000 cu.yd. concrete and paving sand; 50,000 special 5 in. granite paving blocks; and 4,000 tons inorganic dust.

Road Oil—Galesburg, Ill. — See "Streets and Roads."

Lumber, etc.—Harlan, Ia.—Jan. 25, by Auditor Shelby Co. 200,000 ft. Douglas bridge lumber, 7,000 ft. cypress piling, 3,790 ft. corrugated culvert pipe, 11,750 ft. creosoted pine piling, 16,500 ft. creosoted pine lumber, guard rail, etc.

Paving Materials—Minneapolis, Minn.—Jan. 25, by F. S. Gram, city purch. agt., 125,000 bbl. Portland cement, 4,000,000 paving bricks, 2,000 tons asphaltic cement, 300 tons paving pitch, 16,000 tons trap rock, 50,000 gal. refined tar, for City. N. W. Elsberg, city engr.

Steel Sheet Piling—Niagara Falls, Ont.—E. M. Noonan, in market steel sheet piling.

BIDS RECEIVED

Cement—Milwaukee, Wis.—Central Bd. Purchases, J. W. Nicholson, ch. buyer, Jan. 15, 20,000 bbl. more or less, portland cement, from Forrer Lime, Cement & Coal Co., foot of Humboldt Ave., at $2.80 per bbl. less 5 per cent discount.

CONTRACTS AWARDED

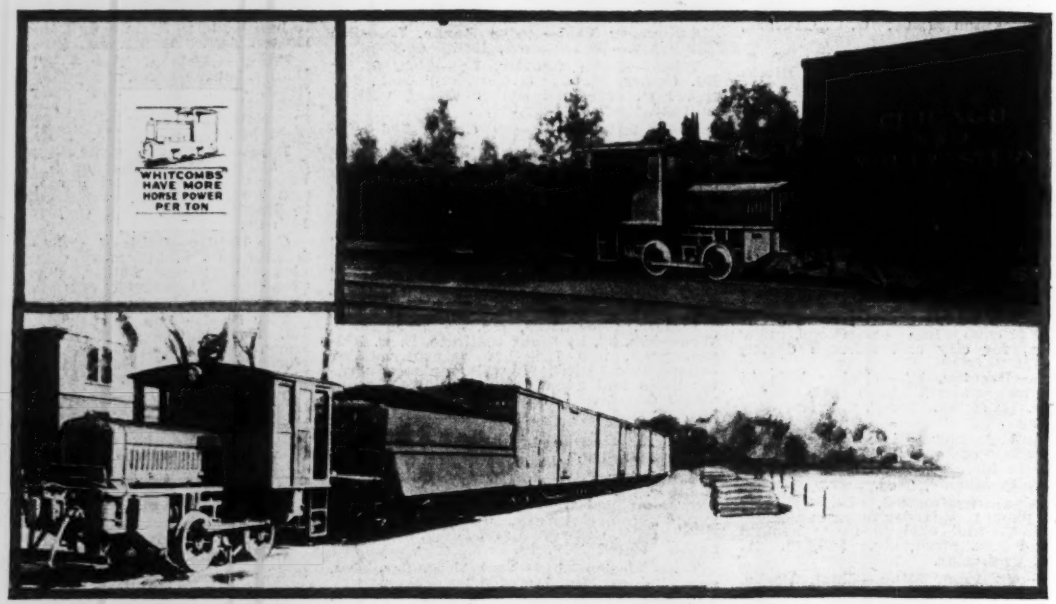
Inorganic Dust, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 4,000 tons inorganic dust, to Limestone Products Co., 17 West 42nd St., $19,880; 20,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., Brooklyn, $20,600; 700,000 gal. asphaltic cement, to Standard Oil Co. of New York, 26 Bway. $46,690 and 10,000 cu.yd. ¾ in. binder stone, to New York Trap Rock Corp., 101 Park Ave., $19,300. Grand total $106,470. Noted Jan. 14.

Road Oil—Macomb, Ill.—See "Streets and Roads."

Cables, etc.—Minneapolis, Minn.—F. S. Gram, city purch. agt., material for signal system, approximately 20 mi. copper-clad cable, to Nehring Electric Co., Chicago, Ill., at $21.35 per cwt.; and 10 mi. of No. 14 cable, to Hazard Mfg. Co., 32 South Clinton St., Chicago, Ill. at $55 per M ft. Noted Dec. 31.

Sewer Pipe, Paving Blocks, etc.—Minneapolis, Minn.—F. S. Gram, city purch. agt., 400 tons sewer castings, to Crown Iron Wks. Co., 1229 Tyler St. N. E., catch basins $55.70 per ton, manholes $51.90 per ton; 500,000 vitr. paving blocks, to Ochs Brick & Tile Co., 204 South 9th St. at $17.90 per M. Noted Jan. 7.

See proposal advertisements on page 116, Advertising Section.



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